



SUBJECT:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 26 2002

REGION VII 901 NORTH 5TH STREET KANSAS CITY, KANSAS 66101

Transmittal of Inspection Report - RCRA

MEMORANDUM

FROM:	Betty Berry, Clean ENSV/ARCM	niet a Borer	7/_	
TO:	Diane Huffman ARTD/RESP	, Chief		
Environn	This memorandum transmental Services Division:	mits the following inspect	ion report conducted by	the
FACILITY:	Guardian Industries	INSPECTION DATE: 07/10/200	INSPECTION TYPE: CEI	
ADDRESS:	300 S 5th Avenue East	INSPECTOR: TTE SIC CODE: 3211 FACILITY ACTIVITY: IA LQG	ID NUMBER: IAR000006668 ACTIVITY NUMBER:	
	De Witt IA 52742 RY INSPECTION FINDINGS:	NOV/NOPF ISSUED - Yes	SNC - No	
		z.		
COMMENTS	S:			
	CWA RCRA E/ 2) Inspection was part of a mu * A=CAA, W=CWA, R=RCR	T UST CFC Wetlands Ultimedia inspection with the follow A, T/E=TSCA/EPCRA, U=UST, C	ving participating programs* - =CFC,U-I=UIC, S=SPCC, Wet.	□PWS □All=
	ENTAL JUSTICE: Inspection was		T	
SMALL BUS	INESS REGULATORY ENFORCE	-MENT ACT (SBREFA): Informa	tion provided - Tes	
Attachme	nts			



RCRA RECORDS CENTER



REPORT OF RCRA COMPLIANCE INSPECTION

At

GUARDIAN INDUSTRIES CORPORATION

300 South 5th Avenue East De Witt, Iowa 52742

EPA ID Number: IAR000006668

On

July 10, 2002

By

TETRA TECH EM INC.

For

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 7
Environmental Services Division

INTRODUCTION

At the request of the Environmental Services Division and the Air, Resource Conservation and Recovery Act (RCRA) and Toxics Division of the U.S. Environmental Protection Agency (EPA) Region 7, Tetra Tech EM Inc. (Tetra Tech) conducted a hazardous waste compliance evaluation inspection (CEI) at the Guardian Industries Corporation facility, located at 300 South 5th Avenue East, De Witt, Iowa. The inspection was conducted under RCRA, as amended. As requested by the EPA compliance officer for the facility, the inspection covered hazardous waste generator requirements. This report and attachments present the results of the RCRA CEI. Tetra Tech also conducted a Level B multimedia screening inspection at this facility. The multimedia checklist is included as Attachment 1. A RCRA Info Data Verification Handler Information Report also was updated during the inspection and is included as Attachment 2.

PARTICIPANTS

Guardian Industries Corporation:

Mark Peterson, Plant Engineer Scott Sellars, Engineer

Tetra Tech:

Dean Williams, Environmental Engineer

INSPECTION PROCEDURES

Prior to arrival at the Guardian Industries Corporation, I conducted a drive-by inspection. I then went to the office building located next to the plant. After arriving at the facility's office, I informed a receptionist at the front desk of the reason for my visit and presented my EPA credentials letter. I was informed that the point of contact, Mr. Mark Zinger, was not at the facility and that Mr. Mark Peterson, Plant Engineer, would assist me. Mr. Peterson met me in the reception area and we walked back to his office, where I explained the procedures for the inspection and the facility's right to make confidentiality claims. I informed him that a Confidentiality Notice would be available at the end of the inspection. I also provided Mr. Peterson with a copy of U.S. Federal Code 1001 concerning false statements. During the inspection, our discussions focused on facility operations, wastes generated, and waste management practices. Mr. Scott Sellars, Engineer, also was present during the inspection. I conducted a visual inspection of the facility, accompanied by Messrs. Peterson and Sellars. Following the initial visual inspection, I conducted a review of the facility's records, including manifests with land disposal restriction (LDR) certification and notice forms, material safety data sheets (MSDS), and analytical testing reports. Facility information gathered before and during the inspection is documented in the Data Gathering Worksheet and Checklist (see Attachment 3).

At the conclusion of the inspection, I summarized the findings with Messrs. Peterson and Sellars and provided them with the Notice of Preliminary Findings (NOPF) Sheet (see Attachment 4). I also provided them with a Confidentiality Notice and a Receipt for Documents and Samples (see Attachments 5 and 6). The facility could not determine if a claim of confidentiality would be made during the

inspection. After the inspection, Mr. Peterson informed me that the facility would be making a claim of confidentiality for all information obtained during the inspection.

A copy of the facility site plan was obtained during the CEI (see Attachment 7). I obtained copies of MSDSs (see Attachment 8), an analytical report (see Attachment 9), and manifests with LDR notices (see Attachment 10). A copy of an EPA memorandum regarding F006 hazardous waste sludge is attached to this report (see Attachment 11). Photographs taken during the inspection are in Attachment 12.

FINDINGS AND OBSERVATIONS

1. Facility Description and General Information

Guardian Industries Corporation began operations in 1996 and has 310 employees. Guardian Industries Corporation has three 8-hour work shifts on Monday through Sunday. The facility manufactures glass, mirrors, and tempered glass. Major raw materials used by the facility include sand, charcoal, limestone, rouge (iron oxide), soda ash, salt cakes, and glass.

Rags are used to clean lead- and cadmium-based logo paint at the tempering process line. An MSDS for the logo paint was obtained during the inspection and is attached to this report (see Attachment 8, Pages 1 to 2. The rags are disposed of as hazardous waste.

Most of the facility's hazardous waste is generated from using rags with xylene for cleaning up mirror paint at the mirror process line. An MSDS for the mirror paint was obtained during the inspection and is attached to this report (see Attachment 8, Pages 3 to 7). The rags are disposed of as hazardous waste. The rags from the mirror line are managed as a separate waste stream from the rags generated at the tempering process line.

The facility will occasionally generate two additional waste streams at the mirror line: mirror paint and spent xylene. Mirror paint that cannot be used in the mirror process line is disposed of as hazardous waste. Spent xylene that cannot be reused is also disposed of as hazardous waste.

The mirror process line includes an electroless plating process in which metal is sprayed onto glass. The electroless plating process is based on chemical reactions and does not include electroplating. The wastewater from the mirror process line is treated at the facility's wastewater treatment facility. Sludge generated at the wastewater treatment facility is disposed of as nonhazardous waste. A copy of the analytical report for the sludge was obtained during the inspection and is attached to this report (see Attachment 9, pages 1 to 16). Because the plating process used in the mirror process line does not include electroplating, the sludge generated at the wastewater treatment facility is not considered by the facility to be an F006 hazardous waste. An EPA memorandum, dated September 25, 1986, is attached to this report and indicates that a wastewater treatment sludge generated from an electroless plating operation is not considered to be a F006 hazardous waste (see Attachment 11).

The facility has a parts washer in the maintenance department. The solvent used in this parts washer is called "Safety Keen Premium Gold Solvent" and has a flashpoint of 148 degrees Fahrenheit. An MSDS for the product was obtained during the inspection and is attached to this report (see Attachment 8, Pages 8 to 18). The facility disposes of the spent solvent as hazardous waste.

Waste lamps and waste batteries are generated from throughout the facility. The waste lamps and waste batteries are managed as universal wastes.

The following nonhazardous waste streams are also generated at the facility: used oil, rags and absorbent containing used oil, used oil filters, rejected batch, fire brick, mirror cullet, mirror copper/iron residue, mirror multimedia filters, mirror carbon filter media, mirror deionization resin, tempering simco residue, clear glass, and scrap metal. The generating processes for these waste streams are described in Section 3 of this report.

2. Areas Visually Inspected

During the visual inspection, I was accompanied by Messrs. Sellars and Peterson. The visual inspection included the less-than-180-day hazardous waste storage area, the satellite accumulation areas, the used oil storage area, and the storage area for waste lamps and waste batteries. During inspection of the storage area for waste lamps and waste batteries, I observed several boxes of waste lamps that were not labeled to identify their contents (see Attachment 10, Photograph 1). Rhonda Barton, Tool Crib

Attendant, stated that the boxes are usually labeled, but that the labels would occasionally fall off the boxes when they are removed from the area. Guardian Industries Corporation failed to mark containers used for storage of waste lamps with the words: "Universal Waste-Lamps", "Waste Lamps", or "Used Lamps", as required by 40 CFR Part 273.14(e) (NOPF No. 2).

During the inspection of the less-than-180-day hazardous waste storage area, I observed that two hazardous waste containers were not marked with accumulation start dates. One of these hazardous waste containers was a 55-gallon drum that contained rags that had been used to clean logo paint at the tempering process line (see Attachment 10, Photograph 2). The other hazardous waste container was a 55-gallon drum that contained waste mirror paint (see Attachment 10, Photograph 3). Guardian Industries Corporation failed to mark the accumulation start date on two hazardous waste containers at its less-than-180-day hazardous waste storage area, as required by 40 CFR Part 262.34(d)(4) (NOPF No. 1).

3. Wastes Generated On Site

The following table describes significant waste streams currently generated at the facility.

#	Name	Generating Process	Hazardous Determination	Estimated Generation Rate	On-site Management	Off-site Management
1	Rags Contaminated with Lead- Based Mirror Paint and Xylene	Waste consists of rags used with xylene to clean lead-based paint at the mirror process line.	The facility uses D008 for the waste, based on product knowledge and testing. An MSDS for the paint is attached to this report (see Attachment 8, Pages 3 to 7)	55 gallons every two months	Stored in 55-gallon drums	The waste is transported by Safety Kleen to its facility in Dolton, Illinois. Xylene in the waste is fuel blended and the remaining waste is incinerated and landfilled.
2	Rags Contaminated with Lead- and Cadmium-Based Logo Paint	Waste consists of rags used to clean logo paint at the tempering process line.	The facility uses D006 and D008 for the waste, based on product knowledge and testing. An MSDS for the paint is attached to this report (see Attachment 8, Pages 1 and 2)	55 gallons per year	Stored in 55-gallon drums	The waste is transported by Safety Kleen to its facility in Dolton, Illinois. The waste is incinerated and landfilled.
accur	A 55-gallon drum of rags contaminated with lead- and cadmium-based logo paint at the less-than-180-day hazardous waste storage facility was not marked with the accumulation start date. Guardian Industries Corporation failed to mark the accumulation start date on a hazardous waste container at its less-than-180-day hazardous waste storage area, as required by 40 CFR Part 262.34(d)(4) (NOPF No. 1).					
3	Mirror Paint Waste	Waste consists of mirror paint that can not be used in the process line.	The facility was uncertain which waste codes are used. Based on a manifest, the facility uses D001and D008 for the waste.	110 to 165 gallons per year	Stored in 55-gallon drums	The waste is transported by Safety Kleen to its facility in Dolton, Illinois for fuel blending.
Corp		rk the accumulation start	-than-180-day hazardous waste storage a date on a hazardous waste container at i			
4	Spent Xylene	Waste consists of spent xylene that cannot be reused for the facility.	The facility uses D001 and F003 for the waste, based on product knowledge. It is unknown if the waste is tested.	The facility did not know the generation rate for this waste stream.	Stored in 55-gallon drums	The waste is transported by Safety Kleen to its facility in Dolton, Illinois for fuel blending.
5	Spent Parts Washer Solvent	Generated from a parts washer in the maintenance area.	The facility uses D039 for the waste. The facility was uncertain why D039 is used as a waste code. An MSDS for the parts washer solvent is attached to this report (see Attachment 8, Pages 8 to 18).	100 gallons per month	Changed out of a parts washer and placed in a 25 gallon drum	The waste is transported by Safety Kleen to its facility in Davenport, Iowa for recycling.



#	Name	Generating Process	Hazardous Determination	Estimated Generation Rate	On-site Management	Off-site Management
6	Mercury Contactors	Generated from electrical panels at the tempering process line	The facility manages the waste as a hazardous waste. The facility has not yet assigned waste codes to the waste.	Less than 55 gallons generated since the facility began operation in 1996	Stored in a 55-gallon drum	The facility has not yet shipped this waste stream off site.
6	Waste Lamps	Generated from throughout the facility	Universal waste	Two to three spent fluorescent light bulbs per month.	Stored in cardboard boxes	The waste is transported by Safety Kleen to its facility in Davenport, Iowa, for recycling.
			s were not marked to identify their contemps", "Waste Lamps", or "Used Lamps'			
7	Waste Batteries	Generated from calculators, flashlights, instruments, and other equipment at the facility.	Universal waste	5 gallons per year	Stored in buckets	The waste is transported by Safety Kleen to its facility in Davenport, Iowa, for recycling.
8	Used Oil	Generated from throughout the facility	Nonhazardous, based on product knowledge	Less than 55 gallons per month	Stored in 55-gallon drums	The waste is transported by Safety Kleen Systems to its facility in Dolton, Illinois for recycling.
9	Rags and Absorbent Containing Used Oil	Generated from cleaning up used oil	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in 55-gallon drums	The waste is transported by Safety Kleen to its facility in Dolton, Illinois for incineration.
10	Used Oil Filters	Waste consists of oil filters that have been drained of used oil.	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Oil is drained from the filters. The filters are then stored in 55-gallon drums.	The waste is transported by Safety Kleen to its facility in Davenport, Iowa. The facility did not know the ultimate disposition of this waste stream.

#	Name	Generating Process	Hazardous Determination	Estimated Generation Rate	On-site Management	Off-site Management
11	Wastewater Treatment Facility Sludge	Generated from treatment of process wastewaters from the mirror process line, the tempering process line, a blowdown water system, and the sanitary system.	Nonhazardous, based on product knowledge and testing. A copy of the testing report for this waste stream is attached to this report (see Attachment 9, Pages 1 to 16).	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.
12	Rejected Batch	Waste consists of glass, limestone, and carbon material from the glass making furnace process.	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.
13	Fire Brick	Generated from making furnace repairs	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.
14	Mirror Cullet	Waste consists of broken pieces of mirror.	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.
15	Mirror Copper/Iron Residue	Waste consists of copper and iron residue generated at the mirror process line.	Nonhazardous, based on product knowledge	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.

#	Name	Generating Process	Hazardous Determination	Estimated Generation Rate	On-site Management	Off-site Management
16	Mirror Multimedia Filters	Waste consists of filters used to filter process water at the mirror process line.	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.
17	Mirror Carbon Filter Media	Waste consists of carbon filters used to filter process water at the mirror process line.	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.
18	Mirror Deionization Resin	Generated from deionization units used to filter process water at the mirror process line.	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.
19	Tempering Simco Residue	Waste consists of ground glass from the tempering process line.	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box. Managed with the rejected batch waste stream.	The waste is transported by Jetter Hauling & Recycling to the Upper Rock Island County Landfill in East Moline, Illinois.
20	Clear Glass	Waste consists of broken glass that can not be reused.	Nonhazardous, based on product knowledge and testing	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box.	The waste is transported offsite by Dluback Corporation for recycling.
21	Scrap Metal	Waste consists of steel strappings that must be disposed of.	Nonhazardous, based on product knowledge	The facility did not know the generation rate for this waste stream.	Stored in a storage bin or roll-off box	The waste is transported offsite by Bacon Recycling for recycling.

4. RCRA Status

Guardian Industries Corporation is identified as a large quantity generator (LQG) on the RCRA Info Data Verification handler report provided by EPA. However, after a review of hazardous waste manifests, I determined that the LQG status is inaccurate. A review of Guardian Industries Corporation's hazardous waste manifests for the last year indicated that the facility consistently operates as a small quantity generator (SQG). I inspected Guardian Industries Corporation as an SQG based on the generation rate at the time of the inspection.

5. Preparedness and Prevention Requirements

The facility has designated Mr. Patrick A. Tuttle, Mark Peterson, Mark Zinger, Bill Doughterly, Doug Peterson, and Jeff Duffy as emergency coordinators. Shift Managers that are on-site also act as emergency coordinators for the facility. The facility had emergency information posted next to a telephone that is located near the less-than-180-day hazardous waste storage area. Facility representatives who handle hazardous waste receive training to familiarize them with proper waste handling and emergency procedures.

6. Waste Determination and Manifesting

The facility uses D008 as a waste code for rags that have been used for cleaning lead-based paint at the mirror process line. The facility stated during the inspection that a paint filter test has been performed on the rags and that the rags were determined not to be ignitable. For that reason, the facility does not include D001 as a waste code for the waste stream unless a 55-gallon drum of the waste has standing liquid in it. Since xylene is used with the rags for cleaning, and spent xylene is considered to be an F003-listed hazardous waste, the facility was cited during the inspection for a failure to include F003 as a waste code for this waste stream. This was cited as **NOPF No. 4**. The facility was also cited during the inspection for a failure to include F003 as a waste code for this waste stream on land disposal restriction certification and notice forms. This was cited as **NOPF No. 5**. However, the xylene that is used with the rags for cleaning is considered to be a product. Since spent xylene is not used with the rags for cleaning, the rags would not necessarily be considered a listed hazardous waste. The facility has tested the rags, as mentioned above, and determined that D008 is the applicable waste code.

The facility is using D039 on hazardous waste manifests and land disposal restriction notification forms for disposal of spent solution from the parts washer used in the maintenance area. A copy of a hazardous waste manifest and land disposal restriction certification and notice form for the waste stream is attached to this report (see Attachment 10, Pages 8 to 9). The facility was uncertain why D039 is used as a waste code for the spent solution. Messrs. Zinger and Peterson stated (Mr. Zinger via conference call) that tetrachloroethylene is not used at the facility. Mr. Sellars stated that he did not allow the use of tetrachloroethylene at the facility when he used to be the environmental coordinator. The MSDS for the solution indicates that the only hazardous constituent in the solution is petroleum distillates. The MSDS also indicates that the flash point for the solution is 148 °F. Guardian Industries failed to perform a proper hazardous waste determination for a waste stream, as required by 40 CFR Part 262.11 (NOPF No. 3).

Dean I. Williams, P.E. 8/21/02

Environmental Engineer Tetra Tech EM Inc.

11

Attachments:

- 1. Multimedia Screening Checklist (2 pages)
- 2. RCRA Info Data Verification Handler Information Report (1 page)
- 3. Data Gathering Worksheet and Checklist (65 pages)
- 4. Notice of Preliminary Findings Sheet (2 pages)
- 5. Confidentiality Notice (1 page)
- 6. Document of Receipt (1 page)
- 7. Facility Site Plan (1 page)
- 8. Material Safety Data Sheet (18 pages)
- 9. Analytical Report (16 pages)
- 10. Hazardous Waste Manifests and Land Disposal Restriction Notices (10 pages)
- 11. EPA Memorandum (2 pages)
- 12. Photographs (4 pages)

ATTACHMENT 1 MULTIMEDIA SCREENING CHECKLIST (Two Pages)

REGION VII MULTIMEDIA SCREENING CHECKLIST				
Facility Name: Grandian Industries	Inspector: Dean J. Williams			
Facility Ownership: 300 5, 5 th Avenue Eyst - Same-	Primary Media: RCRA			
Street:	Inspector Phone Ext.: 413-495-3915			
City: De With State: IA Zip: 52742	Date: July 10, 2002			
Phone: 563-659-4008 Facility Contact: Mark Zinger	SIC code 32 (1			
Number of Employees: 310 Work Hours/Shifts 3 Shiffs / 7	1 days per week			
Facility activity and major process description: Manufacture of glass, mirro	es, and tempered glass			
(Check all that apply): Painting/Coating (Water-based □, Solvent-based ਙ); Printing □; Reacting				
Parts Washers/Degreasing (Water-based □, Halogenated-based □, Non-halogenated-based ☒	•			
Electroplating (Chrome , Other); Electro-less plating	g(Type silver)			
ENVIRONMENTAL JUSTICE (Note: Forward to EJ if a concern is identified during your inspect	tion or in one of the areas below)			
1. Is the facility located in a low income area (e.g., with many abandoned and dilapidated properties)? If yes, is facility less then 1000 feet from nearest routinely occupied property (house, school, et				
TOXIC SUBSTANCES CONTROL ACT (TSCA) EMERGENCY PLANNING & COMMUNITY RIGHT	TO KNOW ACT (EPCRA)			
1. Does facility \underline{use} more than 200 gallons or 1,500 pounds $\underline{per\ month}$ of the following (check all that	apply): Acids □, Bases □, Anhydrous			
Ammonia □, Chlorine □, Chlorinated Solvents □, Solvent-Based Paints ☒, or Solvents ☒?	No □ (stop) Yes 🗷			
□ If yes, have Toxic Chemical Release Forms (Form R) been submitted to EPA or State? Yes				
2. Does facility store more than 100 gallons or 1,000 pounds of the following (check all that apply): A	cids , Bases , Bulk Chemicals			
Anhydrous Ammonia □, Chlorine □, Chlorinated Solvents □, Fuels ☒, Gases ☒, Solvent-Base	ed Paints ☒, Solvents ☒? No ☐ (stop) Yes ☒			
🖙 If yes, have Hazardous Chemical Inventory Forms (Tier II) been submitted to local and state	governments (Emergency Planning			
Committees or State Emergency Response Commission)? Yes X No □ → Forward to	EPCRA of sore rightnow - may be incl			
If yes, have Risk Management Plans been submitted to EPA under Section 112r of the CAA?	P Yes No D Forward to EPCRA andth			
3. Does the facility have any equipment that contains PCB's at concentrations >500 ppm? No M	(stop) Yes □			
■ If yes, is equipment leaking (including wet or weeping equipment)? No 🗷 (stop) Yes 🗆 🗕	→ Forward to TSCA (Get Photo)			
CLEAN WATER ACT (CWA) - National Pollution Discharge Elimination System (NPDES), Indus	trial Pretreatment, Storm Water, & Wetlands			
1. Does the facility discharge any wastewater to storm sewers, surface water, or the land? No \Box	(stop) Yes ✓			
If yes, are <u>all</u> wastewater discharges permitted? Yes X No ☐ → Forward to CWA				
2. Does the facility have process wastewaters that are discharged to a city POTW (Publically Owned	l Treatment Works)? No □ (stop) Yes 🗹			
If yes, are the discharges permitted by: State? □, City? — If yes, Stop here.	➢→ Forward to CWA			
If yes, are the discharges permitted by: State? □, City? — If yes, Stop here. No If yes, does the city have a state or EPA approved pretreatment program? Yes No or	Don't Know - Forward to CWA			
3. During rainfall events, can storm water carry pollutants from manufacturing, processing, storage,	disposal, shipping and receiving areas, or from			
construction sites >5 acres, to storm sewers or surface water? No □ (stop) Yes 🌣	collet pile outside is why they			
™ If yes, does the facility have an NPDES permit for these storm water discharges? Yes 📜	No □ → Forward to CWA			
4. Did you see any wastewater discharges not identified by the facility? No ☒(stop) Yes □ - Id				
	- A Company of the Co			
	(stop) Yes			
If yes, have any wetland areas that have been dredged or filled, channelized, dammed, or head No □ (stop). Yes □ - Identify location and timeframe				

Forward To: EJ \square TSCA/EPCRA \square CWA \square Wetlands \square UIC \square PWS \square CAA \square CFC \square RCRA \boxtimes UST \square SPCC \square

SAFE DRINKING WATER ACT (SDWA) - Underground Injection Control (UIC) & Public Water System (PWS)
1. Does facility discharge any <u>liquids</u> to the subsurface (septic systems, disposal wells, cesspools, etc.)? No ★(stop) Yes ☐→ Forward to UIC
If yes, do these liquid wastes consist of sanitary wastewater only? Yes □ No □
2. Does facility provide drinking water to 25 people or more from its own source (private well, pond, etc)? No ⋈(stop) Yes ☐→Forward to PWS
🖙 If yes, does the facility test or monitor its drinking water in order to comply with state regulations? Yes 🗆 No 🗆
CLEAN AIR ACT (CAA) and CFCs
1. Do you see any dense, non-steam, smoke or dust emissions leaving the facility property? No ☒ Yes ☐ → Forward to CAA.
Source(Get Photo)
2. Does the facility have any new air pollution emitting equipment that was constructed or installed in the past 5 years? No 🗆 (stop) Yes 🛣
If yes, is equipment permitted? Yes No □ → Forward to CAA Describe:
3. Does the facility have any cooling units that contain >50 lbs of refrigerant? No □ (stop) Yes)♥ → Forward to CFC
If yes, are these units: Self-serviced? Contract Serviced? Z-Service Company: Northwest Mechanical They are environmental forced y officer
4. Does the facility service motor vehicle air conditioning systems? No □ (stop) Yes □ → Forward to CFC In one with with
RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) and UNDERGROUND STORAGE TANKS (UST)
1. Does the facility generate more than 30-gallons (220 lbs./100kg) of hazardous waste per month or at any one time? No □ (stop) Yes ☒
If yes, does facility have an EPA Hazardous Waste Identification Number? Yes ☒ (stop) No ☐ → Forward to RCRA
2. Is hazardous waste treated □, burned □, land filled □, put in surface impoundments □ or waste piles □? No ☒(stop) Yes □
If yes, is the facility permitted for above described activity? Yes □ No □ → Forward to RCRA
3. Did you see or does the facility have any large quantities of materials that the facility claims to be non-hazardous waste material (>10 drums,
roll-offs, waste piles, etc. — exclude clean office trash, cardboard, & packaging type wastes)? No ☒ (stop) Yes ☐
Material Claimed To Be Non-Hazardous How does the facility know these wastes are non-hazardous?
Testing, industry or manuf. info, MSDS, etc. □; None available □ → Forward to RCRA
Testing, industry or manuf. info, MSDS, etc. □; None available □ → Forward to RCRA
Testing, industry or manuf. info, MSDS, etc. □; None available □ → Forward to RCRA
Testing, industry or manuf. info, MSDS, etc. □; None available □ → Forward to RCRA
Testing, industry or manuf. info, MSDS, etc. □; None available □ → Forward to RCRA
4. Did you see any leaking hazardous waste containers, drums, or tanks? No ★ Yes □ → Forward to RCRA Describe: (Get Photo)
5. Did you see any signs of spills or releases (e.g., dead or stressed vegetation, stains, discoloration)? No ★ Yes ★ Forward to RCRA
Describe: (Get Photo)
6. Did you see any chemical or waste handling practices that concern you (access to children/public)? No ☑ Yes ☐ → Forward to RCRA Describe:(Get Photo)
7. Does the facility have any past or present underground petroleum product or hazardous material tanks? No X Yes — Forward to UST
8. Does the facility have any underground fuel tanks for emergency generators? No ☒ Yes ☐ → Forward to UST
SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCC)
1. Does the facility have any aboveground oil tanks (petroleum, synthetic, animal, fish, vegetable), with an aggregate volume > 1320 gallons?
No □ (stop) Yes □ Does the facility have a certified SPCC Plan? Yes □ No □ → Forward to SPCC Solution Section Sectio
If yes, are any tanks leaking where oil could reach waters of the State or U.S.? No □ Yes □ (Get Photo) → Forward to SPCC
* PLEASE TAKE PHOTOS TO DOCLIMENT POTENTIAL PROBLEMS

ATTACHMENT 2 RCRA INFO DATA VERIFICATION HANDLER INFORMATION REPORT (One Page)

September 26, 2001

PROCEDURES for Inspectors/Investigators/etc. performing Site Visits

Present the Facility representative with a copy of their:

- Handler Information Report (attached)
- Copy of the current Notification Form (attached)
- Copy of the current Notification Booklet (attached)

Our instructions to them are printed on their Handler Information Report - and should be self explanatory. If the facility wants to revise their Handler Information Report, they can do so and mail it back to EPA - or have the inspector deliver it.

If during the course of the site visit, the inspector/investigator becomes aware of any changes which should be made to the information printed on this form, please make the corrections and return the form to: Cynthia Sehnert-Jones, ARTD/RESP.

EPA RCRA ID Number: IAR000006668 GUARDIAN INDUSTRIES CORP Name of Company/Installation: Location of Installation: 300 S 5TH AVE EAST DE WITT, IA 52742 City/State/Zip: County: CLINTON Mailing Address: 300 S 5TH AVE EAST City/State/Zip: DE WITT, IA 52742 JERRY P. TONNESON Mark Zinger Installation Contact: SR AIR QUALITY Environmental Coordinate Job Title: (319) 388-8288 (563) 659 - 4008 Phone Number: Contact's Address: 300 S 5TH AVE EAST City/State/Zip: DE WITT, IA 52742 Current Owner of Installation: GUARDIAN INDUSTRIES CORP Owner's Address: 2300 HARMON RD AUBURN HILLS, MI City/State/Zip: 48326-1714 Phone Number: (248)340-1800Owner Type: Private Land Type: Private TYPE(S) OF REGULATED ACTIVITY: LARGE QUANTITY GENERATOR

D001

N 03/01/00 1

Hazardous Wastes Handled:

Attachment 2 Page 1 of 1

D008

D009

F003

Date of Site Vi	sit: July 10, 2007
Name of Inspe	ctor (Please print): Dean J. Williams
(Check one):	□ EPA R7 ENSV X EPA R7 Contractor □ NOWCC/SEE Investigate
Signature of In	spector: Dun 17/11

ATTACHMENT 3 DATA GATHERING WORKSHEET AND CHECKLIST (65 Pages)

ACTIVIT	y # :	

Page:	of .
-	_

DATA GATHERING WORKSHEET AND CHECKLIST INSTRUCTIONS AND KEY

- 1. Complete all items on the applicable data gathering worksheet and checklist in a mast and legible fashion.
- a. Additional time spent legibly completing the forms in the field will reduce the need to rewrite the forms or explain the forms in the inspection report.
- 2. All responses will be based on the inspector's knowledge and best judgement at the time of the inspection.
- 3. A $(\mbox{/})$ mark should be used to mark the all boxes (\Box) and will indicate the choice made or the action completed.
- 4. The Records Review Worksheet and Checklists and the Visual Review Worksheet and Checklists each have a key below the tables. Use this key when filling out these forms.
- a. Items which are shaded gray on the worksheets and checklists are considered high priority items during inspections and should always be completed.
- b. On the top of the worksheets and checklists are a group of boxes which represent the generator status of the facility and whether or not the facility is subject to interim status or permit requirements. The appropriate box should be checked.
- 5. Several of the forms contain the following box at the bottom of the page:

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen?

HOW long did it happen? and WHAT PROOF WAS OBTAINED?

The inspector should pay special attention to the questions contained in this box and make sure that they are able to answer them as relates to inspection documentation.

- 6. Each of the forms has a form number in the bottom left corner of the form and each item on the form is numbered and/or lettered. The form and item number/letters should be used when referencing information contained on the form in the inspection report.
- 7. Each of the forms has a space in the upper left hand corner of the form to track the information by activity number. Place the inspection activity number in the space provided.
- 8. Each of the forms has a space in the upper right hand corner of the form to track the total number of pages used during the inspection. Count all forms used and complete this space.
- 9. The rest of the information on the forms is self-explanatory.

Activity f:		Page of
	PRE-INSPECTION WORKSHEET	
GENERAL INFORMATION		
	Svardian Industries	2. Inspection Date: Jdy 10,2002
	300 South 5th Avenue Fast	
	10 Will, Iana 52742	E. State I.D. #:
6. Location Information	ž	
		
7. Facility Contact:	Mark Zinger	Phone #: (563) 659 - 4008
8. Inspector Name/Title	: Dean Williams	Phone #:(413) 495-3915
9. Inspection Type:	Sog Dig Dist Dother	Inspection #:
///////////////////////////////////////	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TRAVEL INFORMATION		1
Dates of Travel:		□ GOV □ POV
Date	<u>Hotel</u>	Phone # Rate
		()
		()
		()
Additional inspection c	onducted during this trip? YES	S NO
Where:		
Compensatory time reque	sted? DYES DNO # of hours:	Dates:
Overnight vehicle reque	sted? YES NO	
Car signed out?		
NOTE: Provide a copy of	this page for the secretary and r	mark the copy → □ Secretaries Copy
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
CONTACTS		
10. Compliance Officer/	Phone # :	
11. State Contact/Phone		
Location		
200222011		
12. Permit Writer/Phone	≠ □ N/A :	
13. Attorney/Phone #	□ N/A :	· · · · · · · · · · · · · · · · · · ·
14. Other Contacts/Phon		
14. Other Contacts/Phon	Attachment 3 Page 2	of 65

PIW-1 of 4

Activity #	7aga of	
KEY INFORM	MATION FROM FILE REVIEW	
15. Date o	of last inspection: Reph Ortosach Pata Verification site visit - 5/24/49 The previously inspections	ted
16. Key in (operation	nformation from last inspection: ns, waste streams/codes, waste management processes,etc.)	
14 9	azardors Wuste Streams - lead	
	paint-related material	
	spent butyl quetate	
17. Compli	iance/Administrative issues from last inspection:	
	none	
18. Most r	recent notification copied: YES NO	
19. Key In (conta	nterim Status information: SN/A Key Permit Information: Diainer/tank storage limits, etc.)	K/A
20. OTHER	RECORDS/COMPLIANCE INFORMATION	
	nohe	
••		
· .		
21. Copies	s of facility map or diagram made? BYES DNO DN/A	
22. Additi	ional Notes:	
	none	

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cults of discussions w	ITE COMPLI	ANCE OFFICE	ER AND SPE	CIFIC INS	TRUCTIONS	Page_	_ of
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Act:	ivity #:				,	Page of
24.	ADDITIONAL PR	E-INSPECTION ITEMS TO	CHECK			
	General Equipment:	- hardhat - safety glasses - other camera - calculator - dictaphone - post-its - coveralls - film - pH paper	- rubber - tape n - notebo - compas - tape n - safety - safety - ice ch - batter	seasure sok secorder gloves boots	- safety - SIR cam - flashli - binocul - pens/ma - winter - ear plu - coat - respira	era ght ars rkers gloves gs
	Special Equip	mencr:				•
	Paperwork:	- facility files NOV forms Pollution Prevention Data Collection Work Reference Information	ksheets	Multi (Air,	orms ication forms -Hedia forms Water, SPCC, ations (Federa	Title III) L/State)
	- Load Camera			*		
	- Credentials					
	- Business Ca	rds	,			
	- Daily Plann	er				
	- Car Book/Ke	ys/Credit Card			*	
	-	lth or Safety Consider e Message/Setting	rations?			
	- Sign-out On	Board .	no	ne		
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DI	DRIVE-BY WORKSHEET	•
Arrival time:	0855	
Drive-by conducted from	public right-of-way? X YES	□ NO
Determine the direction	"North" with respect to the fitation (as can be viewed from	acility and provide a brief sket the public right-of-wa
of the fajour and offer		
•		
1		
	 	
A		
1,	/	
N	paking	
	Industrial Street	
	e trom benefit trains or well.	☐ YES ▼ NO
(Note area(s) of o	e from public right-of-way? concern)	☐ Processing Equipment
(Note area(s) of o	concern)	•
(Note area(s) of o	concern) [] Tanks	☐ Processing Equipment
(Note area(s) of o	Concern) [] Tanks [] Unloading Areas	☐ Processing Equipment ☐ Security Devices
(Note area(s) of one of the containers Loading Areas Open Drums Unusual Odors	Concern) Tanks Unloading Areas Stressed Vegetation	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining
(Note area(s) of o	Concern) Tanks Unloading Areas Stressed Vegetation Obvious Discharges	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining
(Note area(s) of o	Concern) Tanks Unloading Areas Stressed Vegetation Obvious Discharges	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining ☐ Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining ☐ Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining ☐ Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining ☐ Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining ☐ Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining ☐ Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining ☐ Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	☐ Processing Equipment ☐ Security Devices ☐ Unusual Staining ☐ Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	Processing Equipment Security Devices Unusual Staining Improper Disposal
(Note area(s) of o	Tanks Unloading Areas Stressed Vegetation Obvious Discharges Other Concerns	Processing Equipment Security Devices Unusual Staining Improper Disposal

DOCUMENTATION: HOW are the facts known? WHO said what? WHEE did it happen?

HOW long did it happen? and WHAT PROOF WAS OBTAINED?

•	SITE ENTRY AND INBRIEFING	G WORKSHEET
Initial entry procedures:		
M Used main entrance	⊠ Entered	during normal operating hours
Facility Representative(s)	1: Mark Peterson	Title: Plant Engineer Title: Engineer
	Scott Sellars	Title: Engineer
Does the facility represent generation and management (How was this verified?)	ntative(s) have intimate practices? M YES [a knowledge of all aspects of the was
How long has facility repr	resentative worked in th	heir position? Uncertain
. Were unreasonable or exces	ssive delays encountered	d (>15 minutes): TYES MED
Introduction:		
Ex Presented credentials	s	
> Verified presence at	correct facility (check	ked address/I.D. #)
Explained authority t	to conduct inspection (S	Section 3007 of RCRA)
•	e, scope, and order of t	
•	ion process through the	use of worksheets, checklists,
		ilities responsibility to provide Section 1001 and 1002 U.S.C. to
Explained facility's CEI form for signa	right to claim CBI and atures	provided pages 1 and 2
A Identified personal s	safety considerations:_	sufery glasses, steel-toed bo
Explained that findin current knowledge of	ngs and observations are RCRA and that the final	e based on your l findings may differ
Was full access granted?	M YES By who? (name):	: Mark Peterson
		time of denial, reason for denial,

FACILITY BA	CKGROUND WORKSHEET
1. Site history: Date facility began operating: 19 Number of shifts/hours worked: 3 Size (sq. ft., how divided): 7	Number of days worked per week: 7
Property owner and facility operator	the same? XYES NO
2. Major products or services provided:	Glass, Mirares, tempereddaes
	and place (10-20 to cape)
4. Major manufacturing or processing opera (provide brief description) <u>Operation</u>	Waste Stream(s)
Mirror Line	Rogs with lead p xylon Confumination Micros Paint Wast
Temperin, Line	Rags contaminates with lead- and admirm- besed point (logo ink)
Partz Wuchen	Spent parte master solvent
Fucility operations	Waste lamps juraste batteries
plating press rule region copper/iran residue milro media, mirror beionitatio ///////////////////////////////////	sheet and/or Off-Site Waste Stream Worksheet for
	ent <u>3</u> Page <u>8</u> of <u>68</u>

Activity #:		and the second s	and the second s		Page of
. Verified/comp	ared above info	rmation with f	acility Notifi	cation Pora:	TE TES INO
					
	•				
				·	
7. GENERATOR STA (based on rec	//////////////////////////////////////	//////////////////////////////////////	/////////////////////////////////////	(/////////////////////////////////////] roc (>1000)rg/zo //////////////////////////////////
Is facilit (If not ca	y's status soli refully verify	dly within abo	ve category? ument)	Ø Y2s □ 1	YO
3. TSD STATUS:	☐ Treatment	☐ Storage	□ Disposal	NIA	
Note: Types o	f units, number	of units, cap		•	J
		·			
		·			
mmmm	<i>77777777777777777</i>	m_{min}	m_{min}	<i>(111111111111111111111111111111111111</i>	<i></i>
9. Resolved ques	tions from Pre-	-Inspection Wor	ksheet? 🛛 Y	es 🗆 no 🧖	No Questions
					
•					
					
		· · · · · · · · · · · · · · · · · · ·			
10. Resolved com	pliance officer	rs questions fr	om Pre-Inspec	tion Worksheet	? □ YES □ RO 및 No Question
				· · · · · · · · · · · · · · · · · · ·	
					
			······································		
ll. Requested si	te map or diagr	ram to identify	all observat	ions? XYES	☐ None availabl
					·
	POST amai daba	facto bacus	STORO and all	- 4-6	The state of the s

HOW are the facts known? WHO said what? WHEN did it happen? and WHAT PROOF WAS OBTAINED?

Attachment 3 Page 0 0169

Activity #:	THE WAR THE STATE OF THE STATE		Page	of
•	GENERATOR WASTE S	TREAM WORKSHEET	C	
¥.		· · · · · · · · · · · · · · · · · · ·	[Mirror Rays]	
1. Name of waste stream:	Rays contaminati	ec with lead-	bused paint and	xylem
2. Waste stream generation	process:			
Rags are used,	with Xylene to	clean lead	1-bused paint	IK 180
at the N	liraco Line			
3. Amount and frequency of	waste stream genera	tion (note amoun	t per):	
59 Gallons	Pounds	per 2 months	□ Day □ Week	1 Honth
Other :				
Unknown:	10 ×	95 gallons -	2001	
Formulas/Calculation	19:	e ¥		
4. On-site management prac	ctices (check all tha	it apply):		
☐ Satellite Accumula	ition \(\mathbb{Z}\) Container	Storage 0 1	ank Storage	
☐ Treatment	☐ Disposal		ther	
	Stored in 55-go	Illan downs	15.	1
Stated storage times				*
5. Off-site management act				* *
Shipped to: 5a	fety Kleen /63	3 E, 138 th Stre	et/ PoltonIL 6	0419
Frequency of shipmen				
Transporter: Safe				
Ultimate disposition	,	m 🛮 Unknown		
	fremaining waste		d and landfill.	ed
6. Number or years/months				present
7. Were there any changes		•		
and/or in the managemen				
☐ YES Ø NO	•		× *	
8. Facility considers this	waste to be: AH	azardous Non-	-Hazardous	
9. Method of waste determine (check all that apple		on:	Not completed by f	acility
By product knowled (MSDS, other info)		ess knowledge material)	By testing (test result	: #)
,			×	100

Activity #:			5	Page_	of_
10. EPA waste codes identified by facility:	D008				
11. Were non-hazardous waste determinations	adequate?	A TES	□ 30 0		
12. Were hazardous waste determination adequation (includes LDR and analysis for on-site to	reatment)	☐ YES		<i>t</i> 1.	
rantain spent Xylene.	a wa	te roo	e 5/2/2	the Vags	
Cartain span offene					
			•.		·. •
13. Waste determination made by inspector?		☐ YES	⊠ NO		·
(Remember to obtained proof to support	t your waste	e determi	nations)		
14. Copies of waste determination obtained	if necessar	y?		I YES	MO MO
15. Is waste stream consistent with generate	or Notifica	tion?		Ø YES	D 300
	, .				·
16. Notes/Observations:					
	hanc				
VISUAL VERI	//////////////////////////////////////	77777777	777777777	777777777777777777777777777777777777777	7777777
17. Are waste generation processes the same			ribed?:	N YES	OR []
18. Do the EPA waste codes appear correct? (If no, list apparent codes & provide	supporting	informa	tion)	O YES	DE DO
	ec note	abore			
20. Notes/Observations:	4				
	no	ne		,	
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DOCUMENTATION: HOW are the facts known HOW long did it happen?	? WHO sai	d what?	WEEN die	d it happen	12

Attachment 3 Page 11 of 6 3

Activity #: of_
GENERATOR WASTE STREAM WORKSHEET
[Tempering Rugs]
1. Name of waste stream: Rags contaminated with cadmiun and lead - based paint
2. Waste stream generation process:
Rugs are used to dean a reservoir in the tempering li
of logo paint that contains lead and cadmin
3. Amount and frequency of waste stream generation (note amount per):
55 Gallons Pounds per year Day Week Month
Other :
Unknown:
Formulas/Calculations:
4. On-site management practices (check all that apply):
☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage
☐ Treatment ☐ Disposal ☐ Other
Stored in 55 gal draws
Stated storage times (days): <90 <180 <270 I.S./Permit
5. Off-site management activities:
shipped to: Safety Kleen / Poltan IL
Frequency of shipments: One or two shipments per your
Transporter: Sufety Klee.
Ultimate disposition of waste: M Known Unknown
incineration, followed by landfilling
6. Number or years/months facility generated this waste: From: 1996 To: present
7. Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
□ YES ☑ NO
8. Facility considers this waste to be: Thazardous Onn-Hazardous
9. Method of waste determination/identification: (check all that apply)
M By product knowledge

O YES TE GETERM	□ xo		
☐ YES	□ >>>		
☐ YES			
	⊠ NO		
	⊠ NO		5 a
	⊠ NO		
	⊠ NO		
te determi			-
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ng informa	tion)	₩ YES	D 390
	the Hund	the Hundler Information)	the Hundler Information & ECTION Ously described?: YES Ing information)

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? and WHAT PROOF WAS OBTAINED?

Activity	<i>†</i> :

Pageof	
Pageof_	

GENERATOR WASTE STREAM WORKSHEET

1. Name of waste stream: Yayleur Mirror Puint
2. Waste stream generation process:
The part was unusuble (or expired sholf like)
from contamination (contains xylone)
3. Amount and frequency of waste stream generation (note amount per):
110-165 Gallons Pounds per year Day Dweek D Houth
Other:
Unknown:
Formulas/Calculations:
4. On-site management practices (check all that apply):
☐ Satellite Accumulation
☐ Treatment ☐ Disposal ☐ Other
Stored in 55-gallon draws
Stated storage times (days): <90 <270 I.S./Permit
5. Off-site management activities:
shipped to: Sutch flee / Dalten, In
Frequency of shipments: Lar 2 fines per year
Transporter: Sufuk Kleen
Ultimate disposition of waste: A Known Unknown
6. Number or years/months facility generated this waste: From: Joly 1888 To: bresed
7. Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
□ YES 🐧 NO
8. Facility considers this waste to be: KHazardous Non-Hazardous
9. Method of waste determination/identification: (check all that apply)
Mark By product knowledge By process knowledge (MSDS, other info) (use of material) (test results)

Activity #:			. 4	Page_	~#
	The facilit	ly was a	acertain.	Bused	_ "— ^
D. EPA waste codes identified by facility:	munite	11 TL	fucility for the who	1160 5	·
ll. Were non-hazardous waste determinations	N_{f}		□ 3 00		
12. Were hazardous waste determination adec (includes LDR and analysis for on-site t	quate? treatment)	X YES	□ xo		
			•		
		· 		·	
	•		·. · · · · · · · · · · · · · · · · · ·		
13. Waste determination made by inspector?		☐ YES	M NO		
(Remember to obtained proof to suppo	•		nations)		
14. Copies of waste determination obtained				O YES	OR M
15. Is waste stream consistent with genera	tor Notificat	ion?		Y YES	O 110
	· · · · · · · · · · · · · · · · · · ·		·		
16. Notes/Observations:					
	han	e			
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	IPICATION SEC				5
17. Are waste generation processes the sam	-		ibed?:	A YES	_ 110
	<u> </u>		· 	· · · · · · · · · · · · · · · · · · ·	
				<u>.</u>	····
18. Do the EPA waste codes appear correct (If no, list apparent codes & provid	:? de supporting	informat	ion)	M YES	□ 30
20. Notes/Observations:					
		hon	e		
			i.		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,	 	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
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DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? HOW long did it happen? and WHAT PROOF WAS OBTAINED?

Act	ivity f: Page of
	GENERATOR WASTE STREAM WORKSHEET
ı.	Name of waste stream: Spent Xylene
2.	Waste stream generation process:
	Spent xylene that can't be revsed by the facility
3.	Amount and frequency of waste stream generation (note amount per):
	Other:
	□ Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation
	☐ Treatment ☐ Disposal ☐ Other
	Strong in 55-gallandring
	Stated storage times (days): <90 < <180 <270 I.S./Permit
5.	Off-site management activities:
	shipped to: Safety Kleen / Dolton IC
	Frequency of shipments: Chreeter's
	Transporter: Safety Klees
	Ultimate disposition of waste: 🛛 Known 🗆 Unknown
	Fuel bland in.
6.	Number or years/months facility generated this waste: From: uncertain To: present
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES DANO
_	
	Facility considers this waste to be:
7.	Method of waste determination/identification: (check all that apply)
	M By product knowledge

tivity #:		* ••		Page	_ ot
. FPA waste codes identified by facility:	Dool	, F00	3		
. Were non-hazardous waste determinations ad	equate?	a res	□ 30		
. Were hazardous waste determination adequat (includes LDR and analysis for on-site trea	e? tment)	À YES	□ 3 10		
		·	•		
			•.		· ·
. Waste determination made by inspector?		☐ YES	NO NO		
(Remember to obtained proof to support y	our waste	determi	nations)		
. Copies of waste determination obtained if	necessary	?		D YES	D(NO
. Is waste stream consistent with generator	Notificat	ion?		M YES	O 10
. Notes/Observations:	hane				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	///////////////////////////////////////	7777777	7777777	,,,,,,,,,,,	//////
VISUAL VERIFIC					
. Are waste generation processes the same as	s previous	ly descr	ibed?:	A YES	ON C
. Do the EPA waste codes appear correct? (If no, list apparent codes & provide so	upporting	informat	cion)	D YES	D 390
Not as (Observations	·	r			
. Notes/Observations:		none			
<i>1111111111111111111111111111111111111</i>	///////////////////////////////////////			1//////////////////////////////////////	1111111

DOCUMENTATION: HOW are the facts known? WHO said what? WHEE did it happen? and WHAT PROOF WAS OBTAINED?

Activity #:	Page of
	GENERATOR WASTE STREAM WORKSHEET
1 Name of warra streams SNA	nt Parts Washer Solvent
2. Waste stream generation pr	
	gerated in Maintener
	Jevara v. Ganaga
3. Amount and frequency of wa	ste stream generation (note amount per):
[UU Gallons	Pounds per Day Dweek A Month
Other: Bused	on recent manifests
□ Unknown:	
Formulas/Calculations:_	
4. On-site management practic	es (check all that apply):
☐ Satellite Accumulatio	n 🗆 Container Storage 🗆 Tank Storage
	□ Disposal □ Other
Stored	in Parts Washer until being cleaned
Stated storage times (d	ays): 0 <90 \(<180 \) <270 \(\text{I.S./Permit} \)
	ties: 13035 West 73 cd Street
Shipped to: Safe	Ly Kleen / Barenpart IA 5 2806
Frequency of shipments:	
Transporter: 5 of ch	y Kleen
Ultimate disposition of	waste: Tknown Unknown
	recycled
6. Number or years/months fac	ility generated this waste: From: [466 To: presol
 Were there any changes (ov and/or in the management o 	er time) in the type(s) of waste generated from this process f this waste?
O YES ONO onkac	'un'
8. Facility considers this wa	ste to be: 🗵 Hazardous 🗆 Non-Hazardous
9. Method of waste determinat (check all that apply)	
M By product knowledge (MSDS, other info)	☐ By process knowledge ☐ By testing (use of material) (test results)
<u> </u>	

RC LJ	vity #s of
10.	EPA waste codes identified by facility: D039 - They went sure who
11.	Were non-hazardous waste determinations adequate? I YES I NO DO34 IS used NA NA NA NA
12.	Were hazardous waste determination adequate? I YES NO Weste con includes LDR and analysis for on-site treatment)
	The facility was uncertain why bosa is used as a
	waste code. The flysh point of the solvent is
	148° F , so this may not be a hazardas waste if
13.	the fucility has no reason to use Do39. The MSDS for the solvent closest list tetrachloroethylene as a constituent. Waste determination made by inspector?
	(Remember to obtained proof to support your waste determinations)
	Copies of waste determination obtained if necessary?
	•
15.	Is waste stream consistent with generator Notification?
	DO39 is not listed on the Hundler Internation Rep
16.	Notes/Observations: Nane
1777	VISUAL VERIFICATION SECTION
17.	Are waste generation processes the same as previously described?: NO
18.	Do the EPA waste codes appear correct? (If no, list apparent codes & provide supporting information)
	see note about
20.	Notes/Observations:
	none

DOCUMENTATION: HOW are the facts known? WHO said what? WHEE did it happen? and WHAT PROOF WAS OBTAINED?

Act	Page of
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream: Mercury Contenturs
2.	Waste stream generation process:
	Generated from electrical punels in the Tempering Process
_	Line Aven
3.	Amount and frequency of waste stream generation (note amount per):
	Gallons Pounds per
	other: Less than SSgallons generated since 1946
	Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation
	□ Treatment □ Disposal □ Other
	Stored in a 55-gallander
	Stated storage times (days): <90 <180 <270 I.S./Permit
5.	Off-site management activities:
	shipped to: Husn't been shipped offsite yet.
	Frequency of shipments:
	Transporter:
	Ultimate disposition of waste:
_	
6.	Number or years/months facility generated this waste: From: 1996 To: puseur
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES X NO
_	
	Facility considers this waste to be: Hazardous Non-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	By product knowledge

Attachment 3 Page 20 of 65

ct:	l vity	#:				-		N/A	. 5	Page_	_ ot
٥.	EPA 1	maste	codes id	entified	d by faci	lity:	Husn	+ been	5 hipped	Page_ exsite	Ye L
•	Were	non-h	azardous	vaste d	ietermina	tions ac	lequate? ()	//A TES			
	Were (incl	hazar udes L	dous was	te deter	mination for on-s	adequat	e? itment)	M YES	D 310		· · · · · · · · · · · · · · · · · · ·
		•		· · · · · · · · · · · · · · · · · · ·		.•					
			·			•		<u>. </u>	·. ·		·. ·
3.	Wast	e dete	rminatio	n made l	y inspec	tor?		☐ YZS	Ø NO		
	(R	emempe	r to opt	arnec b	roof to e	upport	your was	te determi	nations)		
4.	Copi	es of	waste de	terminat	tion obta	ined if	necessa	ry?		O TES	M MO
5,.	Is w	aste s	tream co	nsisteni	t with ge	enerator	Notific	ation?		N YES	D 300
		F	acility	hus	Dung	liste	dan	the Hu	-dla In	fumation	Repar
					,						-
5.	Note	s/Obse	rvations	:							
						Lone	····				
77	, , , , , , , , , , , , , , , , , , , 	,,,,,,	,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, , , , , , , , , , , , , , , , , , ,	77777777		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	,,,,,	,,,,,,		*******			CATION SI		11111111	,,,,,,,,,,,	
7.	Are	waste	generati	on proce				usly descr	ibed?:	M YES	ом П
	· ·					· · · · · · · · · · · · · · · · · · ·					
	,			- <u>.</u>							 ,
8.	Do (I	the EP f no,	A waste list app	codes a	ppear cor odes & pr	rect?	upportin	g informat	cion, N	A D YES	D 390
	Note	s/Obse	rvations						· · · · · · · · · · · · · · · · · · ·		
							none				
π	77777	777777	7777777	7777777	7777777	$\eta \eta \eta \eta \eta \eta$	7777777	77777777	7777777	777777777	777777

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? And WHAT PROOF WAS OBTAINED?

SOP No. 2321.1B - Appendix 1-1	66 OI 107
Activity #:	Page of
GENERATOR WASTE STREAM WORKSHEET	
1. Name of waste stream: Waste Lumps	
2. Waste stream generation process:	
Generated form throughout the facility	
3. Amount and frequency of waste stream generation (note amount per): Gallons Pounds per	
Other: 2-3 bills pla month	
Unknown:	
Formulas/Calculations:	
4. On-site management practices (check all that apply):	
☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage	
☐ Treatment ☐ Disposal ☐ Other	
Stored in consponed boxes	
Stated storage times (days): <90 <180 <270 I.S./Permit	:
5. Off-site management activities:	
shipped to: Sufety Klean / Davenport, Jour	
Frequency of shipments: Once those next	·<
Transporter: Sofety Fleen	
Ultimate disposition of waste: Known Unknown	
recycling	
6. Number or years/months facility generated this waste: From: 1996	To: buser
7. Were there any changes (over time) in the type(s) of waste generated from	n this process
and/or in the management of this waste? they replace spent floores, green lamps, waste stream	still indust
Cyres NO	Last mest be disposed
they suitched to green lamps tead has been	educed to
the print where they will not fuil the TCCP i	n guenlamps
8. Facility considers this waste to be: Mazardous O Non-Hazardous	
9. Method of waste determination/identification: (check all that apply)	by facility
By product knowledge	ing esults)

Attachment 3 Page of 65

cti	vity	#:							. Σ	Page	of
٥.	EPA v	waste cod	es ident	ified by	facilit	y:	Vai	versal	Wus	te	
1.	Were	non-haza	rdous wa	ste deter	minatio	ns adec	quate?	M/A YES	□ 3 00		
2.	Were	hazardou udes LDR	s waste and anal	determina ysis for	tion ad on-site	equate: treat:	r ment)	'SKYES	□ 3NO		
				9				,			
		•									
							,		•. •		·
.3.	Wast	e determi	nation m	ade by in	spector	?		☐ YES	D NO		
	,							te determi	nations)		
	-	es of was								D YES	D HO
		aste stre								YES	D 180
	Fu	ality a	sed to	ship	this 1	vuste	Stre	an CA	-site a	Sa Do	009
						nas	that	muste c	ade co	the Ha	alle-
		furmati		6							
16.	Note	s/Observa	Elons:					hone			
777	7777.	77777777	7///////	77777777	7777777	777777	777777	777777777	11111111	777777777	7777777
				VI	SUAL VE	RIPICA:	TION SE	ECTION			
17.	Are	waste ger	neration	processes	s the sa	me as	previo	usly desc	ribed?:	YES YES	ON [
18.	Do (I	the EPA w	vaste cod	les appear	correct & provi	t?	portin	g informa	N/A	□ YES	D 180
					•	-			,		
20.	Note	s/Observa	tions:_					none			

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? And WHAT PROOF WAS OBTAINED?

Activity f: of
GENERATOR WASTE STREAM WORKSHEET
1. Name of waste stream: Wyste butteries
2. Waste stream generation process:
Generated from culculators, fleshlights, maintenance instrument
The state of the s
3. Amount and frequency of waste stream generation (note amount per):
Gallons Pounds per year Day Week D Hor
Other:
Unknown:
Formulas/Calculations:
4. On-site management practices (check all that apply):
☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage
☐ Treatment ☐ Disposal ☐ Other
Stored in 5 - gallon buckets
Stated storage times (days): <90 <180 <270 I.S./Permit
5. Off-site management activities:
shipped to: Safety Kleen/ Durenpart, IA
Frequency of shipments: Vacerfain
Transporter: Safety Kleen
Ultimate disposition of waste:
recycling
6. Number or years/months facility generated this waste: From: Uncertain To: project
7. Were there any changes (over time) in the type(s) of waste generated from this proceed and/or in the management of this waste?
Ø YES □ NO
The waste batteries used to be managed as a Doog hazar
waste
8. Facility considers this waste to be: A Hazardous O Non-Hazardous
9. Method of waste determination/identification:
(MSDS, other info) By process knowledge By testing (test results)

DOCUMENTATION: BOW are the facts known? WBO said what? WHEN did it happen? and WHAT PROOF WAS OBTAINED?

Act	:ivity #: of
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream:
2.	Waste stream generation process:
	Senerated from throughout the fundation
3.	Amount and frequency of waste stream generation (note amount per):
	(55 Gallons Pounds per Day Week Month
	Other:
	□ Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage
	☐ Treatment ☐ Disposal ☐ Other
	Sterel in SSGal down
	Stated storage times (days): <90 <180 <270 I.S./Permit
5.	Off-site management activities: 604 G
	off-site management activities: 604 G shipped to: 506ety Kleen 1633 E. 138th St/ Dollar, IL
	Frequency of shipments:
	Transporter: Sofety Klein
	Ultimate disposition of waste: 💆 Known 🗆 Unknown
·	Vecyded.
6.	Number or years/months facility generated this waste: From: Started To: present
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES ¼ NO
8.	Facility considers this waste to be: Hazardous Non-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	By product knowledge

Acti	vity #:	~ ~		Σ	Page_	of
10.	EPA waste codes identified by facility:		N/A			
	Were non-hazardous waste determinations ad		d res	□ 38 0		
12.	Were hazardous waste determination adequation includes LDR and analysis for on-site treating	te?	U YES	□ 3 10		
		1				
		76F 19	* .			27 m
		× ×		*4 .		* .
13.	Waste determination made by inspector?		☐ YES	Ď NO	-	
	(Remember to obtained proof to support	your wast	e determi	nations)		-
14.	Copies of waste determination obtained if	necessar	ry?		O YES	D NO
15.	Is waste stream consistent with generator	Notifica	ation?		YES	D 300
16.	Notes/Observations:					
			hone			
7777	//////////////////////////////////////	TATION SE	777777777	77777777	777777777	7777777
17.	Are waste generation processes the same as	*		ibed?:	M YES	□ Ж О
18.	Do the EPA waste codes appear correct? (If no, list apparent codes & provide so	upportin	g informat	ion)	A D YES	□ 390
20 -	Notes/Observations:					
			nan	,	·	
7777		,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,		1111111
1111		1111111	11111111111	(11111111		

DOCUMENTATION:

HOW long did it happen? WHO said what? WHEE did it happen?

Activ.	ity f: of
	GENERATOR WASTE STREAM WORKSHEET
1. Na	ne of waste stream: Rays and Absorbent Wed Oil
2. Wa	ste stream generation process:
	Used to cleaner used oil
3. Am	ount and frequency of waste stream generation (note amount per):
	Gallons Pounds per
	Other:
	□ Unknown:
	Formulas/Calculations:
4. On	-site management practices (check all that apply):
	☐ Satellite Accumulation
	☐ Treatment ☐ Disposal ☐ Other
	Stored in SS-gal doors
	Stated storage times (days): <90 <180 <270 I.S./Permit
5. Of	f-site management activities:
	Shipped to: Safety Kleen / Polton, IL
	Frequency of shipments:
	Transporter: Safety Kleen
	Ultimate disposition of waste: X Known Unknown
	incinerated
6. Nu	mber or years/months facility generated this waste: From: Mcedain To: present
	re there any changes (over time) in the type(s) of waste generated from this process d/or in the management of this waste?
	□ YES □ NO
8. Fa	cility considers this waste to be: Hazardous Non-Hazardous
9. Me	thod of waste determination/identification: (check all that apply)
	By product knowledge

ctivi	ty	# z							*				*:=		. 5			Pag	78	of
). EP	'A w	aste	codes	iden	tifie	d by	fac:	ilit	y:		N/	1	,						4	
		_	hazaro										M x	ES		300				
. We	re	haza	rdous LDR ar	waste	dete	rmin for	ation	n ad	lequa tre	te?	ent)	SIA	□ YI	es.	□ >	0				
										٠.						·				
			9																	٠.
14				·											٠.		8			
3. Wa	aste	det	ermina	tion	made	by i	nspe	ctor	?				מים	ES	X N	Ю				
	(Re	memo	er to	ODTAL	ned l	proof	to	supp	ort	you	r wa	ste	dete	-m)\	atio	ns)				
4. Cc	pie	s of	waste	dete	rmina	ation	obt	aine	ed i	f ne	cess	ary?						o ie	S	in 1
. Is	s wa	ste	stream	cons	ister	nt wi	ith g	ener	rato	NO'	tifi	cati	on?					O YE	3	
5. No	otes	/0bs	ervati	ons:_																
												ho	ne							
7777	////	7777	777777	77777	7777	77777	77777	7777	////	7777	7777	7.77	77777	777.	/////	777	7777	7777	7777	7777
						v	ISUAL	L VE	RIFI	CAT	ON	SECT	NOI							
7. Aı			gener	9	prod	cesse	es th	e sa	ame	as p	revi	ous.	ly de	BCT	ibed:	?:		M YE	es .	O N
B. I	Do 1	the E	PA was	ite co appar	des a	appea	ar co	orrec	ct?	supp	orti	.ng	infor	mat	ion)	l	V/A	O m	es .	0 3
0. N	ote	s/Obs	ervat	lons:										· · · · ·						
													non	1						-

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? BOW long did it happen? and WHAT PROOF WAS OBTAINED?

AC	page of
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream: Used Oil Filters
	Waste stream generation process:
	Used ail is drained from oil filters
3.	Amount and frequency of waste stream generation (note amount per):
	GallonsPounds per
	Other:
	□ Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage
	☐ Treatment ☐ Disposal ☐ Other
	Stored in SS-gul down
	Stated storage times (days): <90 <180 <270 I.S./Permit
5.	Off-site management activities:
	Shipped to: Safety Kleen / Davenport, Icana
	Frequency of shipments:
	Transporter: Safety Kleen
	Ultimate disposition of waste: Known Unknown
6.	Number or years/months facility generated this waste: From: wheetain To: present
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES ⊅ NO
8.	Facility considers this waste to be: Hazardous Non-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	MSDS, other info) By process knowledge (MSDS, other info) Cuse of material) (test results)
_	

O. EPA waste codes identified by facility: 1. Were non-hazardous waste determinations adeq 2. Were hazardous waste determination adequate? (includes LDR and analysis for on-site treatm	puate?	Z YES	[] 30		
. Were non-hazardous waste determinations adeq	puate?	Z YES	□ 30 0		
. Were hazardous waste determination adequate? (includes LDR and analysis for on-site treatm	NIA				
	ment)	□ YES	□ 3 0		
	2				
		78			7.4
			•. 8		
3. Waste determination made by inspector?		☐ YES	р но		
(Remember to obtained proof to support you			nations		
. Copies of waste determination obtained if ne				□ YES	Ø no
. Is waste stream consistent with generator No	otificat:	ion?		D YES	
· .					. ·
6. Notes/Observations:	one				
	////////	7777777	7777777	7777777777	777777
VISUAL VERIFICAT 7. Are waste generation processes the same as p			ibed?:	N YES	D 380
8. Do the EPA waste codes appear correct? (If no, list apparent codes & provide supp	porting	informat	ion)	N/A TES	D 390
O. Notes/Observations:					
	F	rone			

DOCUMENTATION: HOW are the facts known? WHO said what? WHEE did it happen? And WHAT PROOF WAS OBTAINED?

Activity f:	The second of th	Page of
GENE	RATOR WASTE STREAM WORKSHEE	• 1
	(Mirror Plating Pre	
1. Name of waste stream:	istenate treatment to	cality Sludge
2. Waste stream generation proces	B:	
Generated From t	no terniturent of wa	facility,
DUULISS I'M TOM		
3. Amount and frequency of waste	stream generation (note amo	ount per):
Gallons	Pounds per	□ Day □ Week □ Month
Other :		- tempering process line - blondown system
Unknown:		- blondon a system
Formulas/Calculations:		
4. On-site management practices (check all that apply):	
☐ Satellite Accumulation	☑ Container Storage	Tank Storage
☐ Treatment	□ Disposal □	Other
	Stured in Storuse	bigs as well-off boxes
Stated storage times (days)	: 0 <90 0 <180 0 <270	I.S./Permit
5. Off-site management activities	:	
Shipped to: Upper	Rock Island County La.	adfill / East noling Tllings
Frequency of shipments:		
Transporter: Jetter Hus	ling & Recyclin	
Ultimate disposition of was		wn.
	lancifilling.	
6. Number or years/months facilit	y generated this waste: F:	rom: Uncertain To: present
7. Were there any changes (over tand/or in the management of th		te generated from this process
□ YES ☑ NO	* .	
8. Facility considers this waste	to be: Hazardous N	on-Hazardous
9. Method of waste determination/ (check all that apply)	identification:	□ Not completed by facility
MSDS, other info)	<pre>By process knowledge (use of material)</pre>	M By testing (test results)
	*	

								. 5.	Page_	_ of
	EPA wa	ste code	s identifi	led by faci	lity:	NI	1			
•	Were n	on-hazar	dous waste	determina	tions ade	quate?	N TES	□ 3 00		
• (Were h	azardous les LDR a	waste det	cermination is for on-s	adequate	ment)	YES	□ 310		
_					٠.					
		•					16.			٧,
	9 1				• :			•.		·. ·
١.	Waste	determin	ation made	by inspec	cor?		☐ YES	⊠ NO		
				proof to				nations		
	•			nation obta					X TES	□ NO
	Is was	ste stream	m consist	ent with go	enerator 1	Notificat	ion?		Q YES	D 300
5.	Notes/	Observat	ions:		-	non	e			
11	///////	77777777	77777777					7777777	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	777777
					VERIFICA				_	_
7.	: .	aste gene	,	ocesses the	e same as	previou	sly descr	ibed?:	M YES	OM []
		22								
8.	Do th	ne EPA wa no, list	ste codes apparent	appear co	rrect? rovide su	pporting	informat	cion)	N/A 🗆 YES	D 390
<u> </u>	Notes	/Observat	ions:		· · · · · · · · · · · · · · · · · · ·	one.				

DOCUMENTATION: HOW are the facts known? WHO said what? WHEE did it happen? and WHAT PROOF WAS OBTAINED?

	<u>Gr</u>	NERATOR WASTE STREAM WORKSHEET	*
. Name	of waste stream:	Rejected Batch	
	e stream generation proc		
		af glass limestone, an	d carbon material
		s making formule process	2.5 TOS 4.5 TOS
Amou	nt and frequency of wast	stream generation (note amount	
	Gallons	Pounds Per	□ Day □ Week □ Month
	Other:		
	Unknown:	· -	
F	ormulas/Calculations:		
. On-s	ite management practices	(check all that apply):	· 1
	Satellite Accumulation	√ Container Storage □ Ta	nk Storage
	Treatment	☐ Disposal ☐ Ot	her
	Stored 1)	e a storage bin or a vi	oll-eff bex
s	tated storage times (days	B):	□ I.S./Permit
	site management activition		
S	hipped to: Upper Ro	ock Island County Landfi	U / East Moline ILLING
	requency of shipments:		
T	ransporter: <u>Je Her Ha</u>	ling & Recycling	
ט	ltimate disposition of wa	aste: X Known Unknown	
		landfilled	
. Numb	er or years/months facil	ity generated this waste: From:	uncertain To: present
. Were and/	there any changes (over or in the management of	time) in the type(s) of waste of this waste?	generated from this process
. 0	YES M NO	* *	
. Faci	lity considers this waste	e to be: 🛘 Hazardous 📜 Non-H	Hazardous
	od of waste determination check all that apply)	n/identification:	Not completed by facility
<u>R</u>	By product knowledge (MSDS, other info)	<pre>By process knowledge (use of material)</pre>	By testing (test results)
	·		

cti	Ÿ	ity #:	*	Page	_ of
٥.	Ε	PA waste codes identified by facility: N/A			
	W	ere non-hazardous waste determinations adequate?	300		
. (W	ere hazardous waste determination adequate? Includes LDR and analysis for on-site treatment)	NO	,	
					* .
					*. •
3.	W	Waste determination made by inspector?	NO		The same of multi-place parameters
	_	(Remember to obtained proof to support your waste determination	ions)		
١.	C	Copies of waste determination obtained if necessary?		□ YES	ON 🗵
	I	Is waste stream consistent with generator Notification?		D TES	D 30
5.	N	Notes/Observations: hone			
777	77	VISUAL VERIFICATION SECTION	111111	777777777	777777
7.	P	are waste generation processes the same as previously described	d?:	Ø YES	ON [
8.		Do the EPA waste codes appear correct? (If no, list apparent codes & provide supporting information	, N/	Q YES	D 39O
0.		Notes/Observations:			
		none		,	
	_				
77	77		77777	77777777	1111111

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? ENW long did it happen? and WHAT PROOF WAS OBTAINED?

AC	Page of
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream: - Fire Brick
2.	Waste stream generation process:
	Generated from making fernace vepuirs
3.	Amount and frequency of waste stream generation (note amount per):
	Gallons Pounds per
	Other:
	□ Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation
	☐ Treatment ☐ Disposal ☐ Other
	Stored in storage bins or vell-off bever
	Stated storage times (days): <90 <180 <270 I.S./Permit
5.	Off-site management activities: Island
	Shipped to: Upper Rock County Landfill
	Frequency of shipments:
	Transporter: Tetter Harling & Perylling Service
	Ultimate disposition of waste: A Known Unknown
	landfilling.
6.	Number or years/months facility generated this waste: From: uncertain To: prosent
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES P NO
8.	Facility considers this waste to be: Hazardous Non-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	By product knowledge

tivity #:		^ -	. 5.	Page_	_ of_
. EPA waste codes identified b	y facility:	NIA			
Were non-hazardous waste det	erminations adequ	ate? N YES	□ 35 0		
Were hazardous waste determine (includes LDR and analysis for	nation adequate? or on-site treatme	ont) NA TES	□ 3 10		
	* 4				
•	,*			•	
			*, .		
. Waste determination made by	inspector?	☐ YES	NO NO		
(Remember to obtained prod	of to support you	waste determ	Lnations)		
. Copies of waste determination	on obtained if nec	cessary?		D YES	M HO
. Is waste stream consistent w	with generator Not	dification?		M YES	
. Notes/Observations:		hand			
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	///////////////////////////////////////	77777
	VISUAL VERIFICATI	ON SECTION			
. Are waste generation process	ses the same as p	reviously desc	ribed?:	YES YES	D 380
. Do the EPA waste codes apparent code	ear correct? es & provide supp	orting informa	tion) Or	A O YES	D 39
. Notes/Observations:		No	yne		

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? And WHAT PROOF WAS OBTAINED?

AL		rage or
	GENERATOR WASTE STREAM WORKSHEET	
1.	Name of waste stream: Mirror Collet	
	Waste stream generation process:	
	Waste consists of broken pieces of minor	70.00 (May 10.00)
3.	Amount and frequency of waste stream generation (note amount per):	
	Gallons Pounds per Day We	ek 🛮 Month
	Other:	* *
	□ Unknown:	
	Formulas/Calculations:	
4.	On-sits management practices (check all that apply):	
	☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage	
	☐ Treatment ☐ Disposal ☐ Other	
	stand in Storage him av roll-cot boxes	
	Stated storage times (days): <90 <180 <270 I.S./Permit	
5.	Off-site management activities:	· · · · · · · · · · · · · · · · · · ·
	Shipped to: Upper Rode Island County Land Foll / East Ma	like Illinger
	Frequency of shipments:	
	Transporter: Tetter Hading & Rayding Servica	
	Ultimate disposition of waste: Nown Unknown	
	(and filling	
6.	Number or years/months facility generated this waste: From: uncertain	To: proxut
7.	Were there any changes (over time) in the type(s) of waste generated from and/or in the management of this waste?	this process
	□ YES ☑ NO	
		×.
8.	Facility considers this waste to be: Hazardous Non-Hazardous	
	Method of waste determination/identification:	by facility
	(check all that apply)	2, 1202111
	By product knowledge	

Attachment 3 Page 36 of 65 -

cti	vity	#1							*				*-		Ξ		Page		of
0.	EPA 1	Wasi		des id	ienti	ied	by f	acil	ity:_		NI	1	-						
1.	Weie	no	n-haz	ardous	. Vast	e de	term	inat	ions	adequ	uate?		Ø Y	2.5		0			
2.	Were	ha	zardo LDR	us was	ste de	iterm	inat or o	ion n-si	adequ te tr	ate?	ent)	NI	T YE	5	□ 3 10				
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.3.	Wast	e d	eter	inatio	on mac	ie by	ins	pect	or?				O YE	s	M NO		0		
	(R	ene	mper	to ob	calne	pro	ooí t	o su	pport	you	r was	te	deter	mın	ation	B)			
14.	Copi	e s	of wa	ste d	eterm:	inati	on o	btai	ned i	if ne	cessa	ry?	?				O YES	;	ON D
15.	Is w	ast	e sti	eam c	onsis	tent	with	gen	erato	or No	tific	ati	ion?				D'YES	3	D 300
																	·		- ·
16.	Note	s/O	bserv	ration	B:						no	ne							
777	7777	777	77777	77777	/////	/////					///// ION S			777	77777	7777	777777	777	77777
17.	:		te ge		ion p	roces	8888	the	same	as p	revio	ous.	ly des	cr	ibed?	:	D YE	S .	OM []
18.	Do (I	the	EPA o, 1	waste ist ap	code	app t cod	pear des é	corr	rect?	supp	orti:	ng	inform	nat	ion)	VIA	O YE	s	D 390
20.	Note	s/C	bser	ration	s:						ν.		hou	ne					
7777	77777	777	7/17	77777	11111	/////	////	/////	77777	////	77777	777	77777	777	77777	////		7777	77777

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? and WHAT PROOF WAS OBTAINED?

Act	Page of
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream: Mirror Copper/Iron Reside
	Waste stream generation process:
	sits of Copper and iron residue generated at the mira
	Amount and frequency of waste stream generation (note amount per):
3.	
	Gallons Pounds per
	Other :
	Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation
	☐ Treatment ☐ Disposal ☐ Other
	Stored in Storage birs or voll-off boxes
	Stated storage times (days): <90 <180 <270 I.S./Permit
5.	Off-site management activities:
	Shipped to: Upper Rock Island County Land Fill Fast Moling 7
	Frequency of shipments:
	Transporter: Jetter Hading & Rrayding Services
	Ultimate disposition of waste: Maknown Unknown
	Candfilling
6.	Number or years/months facility generated this waste: From: Uncertain To: pused
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES ▼ NO
8.	Facility considers this waste to be: Hazardous Non-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	A By product knowledge

cti	vity #:		* ***	, 5, ,	Page	of
	EPA waste codes identified by facility:		N/A			
	Were non-hazardous waste determinations			D 300		
		b.				
2.	Were hazardous waste determination adequincludes LDR and analysis for on-site to	uate? reatment)	M/A	□ 3 10		
		• .				
	•					*
				*,		*. *
13.	Waste determination made by inspector?		☐ YZS	A NO		
	(Remember to obtained proof to suppor	t your was	ste determi	nations		
14.	Copies of waste determination obtained	if necessa	ry?		O TES	ON I
15.	Is waste stream consistent with generat	or Notifi	cation?		TES TES	D 30 0
			*			
16.	Notes/Observations:		none		-	*
///		77777777	///////////////////////////////////////	7777777	///////////////////////////////////////	777777
	VISUAL VERI	PICATION S	SECTION			
17.	Are waste generation processes the same	as previ	ously descr	ibed?:	M YES	ON []
18.	Do the EPA waste codes appear correct? (If no, list apparent codes & provide	s supporti	ng informat	cion)	//A 🛚 YES	D 380
20.	Notes/Observations:		nane			
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DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? and WHAT PROOF WAS OBTAINED?

ACT	14117
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream: Mirror Multimedia Filters
2.	Waste stream generation process:
	Consists at a filter ased to filter process wasterake
	at the mirror line.
3.	Amount and frequency of waste stream generation (note amount per):
	Gallons Pounds per
	Other :
	Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	□ Satellite Accumulation □ Container Storage □ Tank Storage
	☐ Treatment ☐ Disposal ☐ Other
	Stored in rall-eff boxes or storage him,
	Stated storage times (days): <90 <180 <270 I.S./Permit
5.	Off-site management activities: Idand
	Off-site management activities: Island Shipped to: Upper Rock Ounty Landfill / East Moline, Ic
	Frequency of shipments:
	Transporter: Icter Hading & Recycling
	Ultimate disposition of waste: Known Unknown
	fandfilling.
6.	Number or years/months facility generated this waste: From: unce tain To: present
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES D NO
_	
8.	Facility considers this waste to be: Hazardous Mon-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	By product knowledge

Attachment 3 Page 42 of 65

Trivity #: D. EPA waste codes identified by facility: D. Were non-hazardous waste determinations adect D. Were hazardous waste determination adequate (includes LDR and analysis for on-site treatments)	quate? XX	S [] 360		
. Were non-hazardous waste determinations adec	quate? XX			
vere barardous waste determination adequate	? DYES			
. Were hazardous waste determination adequate (includes LDR and analysis for on-site treature)		□ 30		
			- Control of the Cont	
		The second secon		
				٠.
• •		*.		• •
3. Waste determination made by inspector?	☐ YES	100 100	<u> </u>	
(Remember to obtained proof to support yo		unations)		
4. Copies of waste determination obtained if n			□ YES	ON D
. Is waste stream consistent with generator N	otification?		YES	□ 3 0
	v •			
5. Notes/Observations:	None			
	7777777777777777	///////////////////////////////////////	///////////////////////////////////////	777777
VISUAL VERIFICA	TION SECTION			
7. Are waste generation processes the same as	previously des	cribed?:	∖D YES	ON [
8. Do the EPA waste codes appear correct? (If no, list apparent codes & provide sup	oporting inform	ation) N	//A C YES	D 180
O. Notes/Observations:	Wase			

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? UND WHAT PROOF WAS OBTAINED?

Act	tivity #: of
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream: Mirror Carbon Filter Media
	Waste stream generation process:
٠.	Consists of carbon filters used to filler process mater
	at the mirror lines
3.	Amount and frequency of waste stream generation (note amount per):
	Gallons Pounds per Day Week Nonth
	Other:
	Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage
	☐ Treatment ☐ Disposal ☐ Other
	Stored in Storage birs or voll-cot boxes
	Stated storage times (days): <90 <180 <270 I.S./Permit
5.	Off-site management activities:
	Shipped to: Upper Rock Island County Land Land Le'll
	Framency of shipments:
	Transporter: Tetter & Hudyng and Recycling
	Ultimate disposition of waste: Known Unknown
	land filling
6.	Number or years/months facility generated this waste: From: meeting To: present
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES ▼ NO
8.	Facility considers this waste to be: Hazardous Non-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	By product knowledge

cti	vity #:			**	. Z	Page_	of
١٥.	EPA waste codes identifi	ed by facility:	N/	A			
	Were non-hazardous waste				□ 30 0		
2.	Were hazardous waste det includes LDR and analysi	ermination adequate s for on-site treat	ment) MA	□ YES	□ 310		
		× **					
•	• .						
							` ·
13.	Waste determination made	by inspector?		☐ YES	₩ №		
	(Remember to obtained	proof to support yo	our waste	determi	nations)		
14.	Copies of waste determin	ation obtained if	necessary?	,		□ YES	d no
15.	Is waste stream consiste	nt with generator 1	Notificati	Lon?		NES YES	D 30
16.	Notes/Observations:			non	2		8
			,,,,,,,,,,				
///	'	VISUAL VERIFICA	TION SECT	<u>иои</u>	11111111	///////////////////////////////////////	1111111
17.	Are waste generation pro		÷.		ibed?:) YES	OM [
18.	Do the EPA waste codes (If no, list apparent	appear correct?	pporting	informat	ion) (S/A O YES	□ 390
20.	Notes/Observations:			hone			
777			77777777	7777777			///////

HOW are the facts known? WHO said what? WHEN did it happen? HOW long did it happen? and WHAT PROOF WAS OBTAINED? DOCUMENTATION:

Attachment - 3Page 45 of 65

Activity f: of_	-
GENERATOR WASTE STREAM WORKSHEET	
1. Name of waste stream: Mirror Deignization Resin	_
2. Waste stream generation process:	_
Generated from Monitation units used to felle-process	_
writer at the mirror line	
3. Amount and frequency of waste stream generation (note amount per):	
Gallons Pounds per	i.
Other :	_
Unknown:	_
Formulas/Calculations:	
4. On-site management practices (check all that apply):	
☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage	
☐ Treatment ☐ Disposal ☐ Other	
Stored in storage hins or outlast boxes	
Stated storage times (days): <90 <180 <270 I.S./Permit	
5. Off-site management activities:	
shipped to: Upper Rock Island County Land fill	
Frequency of shipments:	
Transporter: Tetter Hading and Recycling	_
Ultimate disposition of waste: R Known Unknown	
land filling	_
6. Number or years/months facility generated this waste: From:	_
7. Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?	I
□ YES ▼ NO	
	_
8. Facility considers this waste to be: 🗆 Hazardous 💆 Non-Hazardous	
9. Method of waste determination/identification: (check all that apply)	
By product knowledge	
	-
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cti	vity #:		· "·	112	5	Page	of
	EPA waste codes identified by	facility:	NI	4			
	Were non-hazardous waste dete				□ 30 0		
•			•	(
. (Were hazardous waste determin includes LDR and analysis for	ation adequate on-site treat	ement) V/A	4 TES	□ ж о		
	• .	,*	×	*			
					•.		• •
١.	Waste determination made by i	nspector?		☐ YES	OH X		
	(Remember to obtained proof	to support vo	our waste	determi	nations		
1	Copies of waste determination				,	O YES	M NO
	Is waste stream consistent wi					V YES	D 100
	15 Waste Stream constitution was					7	J 20
		*	*			v	
6.	Notes/Observations:		n	one			
///	!}}}	///////////////////////////////////////	111111111	7777777	77777777	777777777	777777
	<u> </u>	ISUAL VERIFICA	ATION SEC	TION			
7.	Are waste generation processe	es the same as	previous	ly descr	ibed?:	YES YES	D MO
		·	· · · · · ·			<u> </u>	
8.	Do the EPA waste codes appea (If no, list apparent codes	ar correct? s & provide su	pporting	informat	cion)	A D YES	D 190
0.	Notes/Observations:						
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DOCUMENTATION:

Attachment 3-Page 49 of 69

HOW are the facts known? WHO said what? WHEE did it happen? HOW long did it happen? and WHAT PROOF WAS OBTAINED?

yc.	Page of
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream: Tempering Since Reside
	Waste stream generation process:
	Consists of grinded glass from the tempering processione
3.	Amount and frequency of waste stream generation (note amount per):
	Gallons Pounds per
	Other:
	□ Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage
	☐ Treatment ☐ Disposal ☐ Other
	Stored in Storage bins or roll-off boxes
	Stated storage times (days): <90 <180 <270 I.S./Permit
5.	Off-Bite management activities: [Managed with Rejected Butch maste strage
	Shipped to: Upper Rock Is land County Landfill
	Frequency of shipments:
	Transporter: Tetter Harling and Recycling
	Ultimate disposition of waste: Known Unknown
6.	Number or years/months facility generated this waste: From: Uncefecin To: present
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES Q NO
8.	Facility considers this waste to be: Hazardous Non-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	☐ By product knowledge ☐ By process knowledge ☐ By testing (MSDS, other info) (use of material) (test results)

	vity #: Page of
	EPA waste codes identified by facility: N/A
	Were non-hazardous waste determinations adequate? TYES [] NO
2.	Were hazardous waste determination adequate?
.3.	Waste determination made by inspector?
	(Remember to obtained proof to support your waste determinations)
4.	Copies of waste determination obtained if necessary?
5.	Is waste stream consistent with generator Notification?
16.	Notes/Observations: hml
77	
	VISUAL VERIFICATION SECTION
17.	Are waste generation processes the same as previously described?: TYES DIMO
18.	Do the EPA waste codes appear correct? (If no, list apparent codes & provide supporting information)
20.	Notes/Observations:

DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen? and WHAT PROOF WAS OBTAINED?

yc	Page of
	GENERATOR WASTE STREAM WORKSHEET
1.	Name of waste stream: Claur Gluss
	Waste stream generation process:
	Consists of broken glass that con't be record
3.	Amount and frequency of waste stream generation (note amount per):
	Gallons Pounds per
	Other:
	Unknown:
	Formulas/Calculations:
4.	On-site management practices (check all that apply):
	☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage
	☐ Treatment ☐ Disposal ☐ Other
	Stoned in Storage bin or vall- H bex
	Stated storage times (days): <pre></pre>
5.	Off-site management activities:
	Shipped to: Dlobuch Cooperating
	Frequency of shipments:
	Transporter: Duback Corporation
	Ultimate disposition of waste: X Known Unknown
	recycling
6.	Number or years/months facility generated this waste: From: once to present
7.	Were there any changes (over time) in the type(s) of waste generated from this process and/or in the management of this waste?
	□ YES NO
8.	Facility considers this waste to be: Hazardous Non-Hazardous
9.	Method of waste determination/identification: (check all that apply)
	By product knowledge

cti	vity	#±							**	. 5. ,	Page_	ot_
٥.	EPA	waste c	odes	dentif	led by f	acilit	y:		1/A			
									TES YES	C 380		
2.	Were (inc)	hazard	lous wa	analys	terminatis for o	ion ad	equate treat	7 ment) /	YES	□ 300		
					3							
		•							· .			* .
								X .		1,	* *	·. ·
13.	Wast	te deter	minat	ion mad	e by in	spector	?		☐ YES	NO NO		
	(1	Remember	to o	otalned	proof	to supp	ort yo	ur wast	e determ	inations)		
14.	Cop	ies of v	aste (determi	nation (obtaine	ed if n	ecessar	y?		□ YES	M NO
	-	waste st									TYES	D 300
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						•		*				
16.	Note	es/Obser	vatio	ns:					hone			
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					VIS	SUAL VE	RIPICA	TION SE	CTION			
17.	Are	waste (genera	tion pr						ribed?:	YES	D NO
18.	Do (the EP	A wast list a	e codes	appear	correct provi	ct? ide su	pportin	g informa	tion)	A D YES	D 190
20.	Not	es/Obse	rvatio	ns:					none			
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DOCUMENTATION: BOW are the facts known? WHO said what? WHEE did it happen? and WHAT PROOF WAS OBTAINED?

Activ	Page of
	GENERATOR WASTE STREAM WORKSHEET
1. Na	me of waste stream: Scrup Metal/Bonding
	ste stream generation process:
	Waste consists of steel stempongs that must be
	A NOTE OF THE PARTY OF THE PART
3. Am	desposed of white faction (note amount per):
	Gallons Pounds per
	□ Other :
	□ Unknown:
	Formulas/Calculations:
4. On	n-site management practices (check all that apply):
	☐ Satellite Accumulation ☐ Container Storage ☐ Tank Storage
	☐ Treatment ☐ Disposal ☐ Other
	Stand in Storage bins or rell-cott baxes
	Stated storage times (days): <90 <180 <270 I.S./Permit
5. Of	f-site management activities:
	Shipped to: Bucan Recycling / Haptinkon, IL
	Frequency of shipments:
	Transporter: Bucon Recycling
	Ultimate disposition of waste: 🗵 Known 🗆 Unknown
	recycling
6. Nu	umber or years/months facility generated this waste: From: oncertain To: present
	ere there any changes (over time) in the type(s) of waste generated from this process ad/or in the management of this waste?
	TES NO
8. Fa	cility considers this waste to be: Hazardous Non-Hazardous
9. Me	thod of waste determination/identification: (check all that apply)
	By product knowledge

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uate? Z IE	C 300		
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☐ YES	D NO		
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porting informa	tion) V//	4 D YES	D 19
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	r waste determ cessary? ctification? hon ION SECTION creviously desc	TYES NO Trest N	TYES NO TO YES NO TO WASTE DETERMINATIONS) COESSARY? CHISTICATION CONSECTION CONSECT

DOCUMENTATION: HOW are the facts known? WHO said what? WHEE did it happen? And WHAT PROOF WAS OBTAINED?

OFF-SITE WASTE STREAM WORKSHEET - TSD's ONLY
. Name or type of waste stream(s):
. Name or type of waste stibam(s). . Amount and frequency received (note amount per 7):
Gallons Pounds Tons per Day Month Month Ye
Other:
Container Storage
Disposal Other:
. Off-site management activities: N/A
Shipped to:
Frequency of shipments:
Transporter:
Ultimate disposition of waste: Known Unknown
Number or years/months facility managed this waste: From:
. EPA waste codes
O. Is waste stream consistent with generator Notification?
6. Notes/Observations:

DOCUMENTATION: HOW are the facts known? WHO said what? WHEE did it happen? and FFAT PROOF WAS OBTAINED?

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RECORDS REVIEW WORKSHEET AND CHECKLIST

A. MANIFESTS

1. Location of	manifests:	Front Offica

2. Person(s) responsible for manifests: Mark Zinger

8	//x	REGULATORY REQUIREMENT	HARLIFEST \$15 AND CONCERTS
3.	/	Facility Uses monifest System-262_20(s)	
4.	V	Manifests maintained for 3 years-262.40(a)	1/28/02
5.	1	Generator EPA 1.D. number-262.20(a)	3/28/02
6.	1	Generator name, address, phone number-262.20(a)	6/05/01 12/7/99
7.	1	Transporter(s) name & EPA I.D. number-262.20(a)	12/1/04
8.	1	Designate facility name, address, phone number, & EPA I.D. number-262.20(a)	4/11/02
9.	_	Alternate facility designated-262.20(c)	471.00
10.	2	Five digit document number-262.20(a)	*
11.	L	DOT shipping name, hazard class, waste code, & RQ (if required-49 CFR 172)-262.20(a)	*
12.	1	Containers: numbers, type, quantity, unit wt/vol262.20(a)	
13.	6	Proper certification including waste minimization-262.20(a)	An .
14.	X	Signed and dated-262.23(a)	
15.	X	Exception report submitted if necessary-262.42	
16.		Waste reclaimed under contractual agreement (SGG only)-262.20(e)(1)	
17.		Generator maintains copy of contractual agreement (SQG only)-262.20(e)(2)	
18.	v	LDR notification/certification sent with all manifests or (1st shipment under tolling agreement, SQG only)-268.7(a)	
19.	V	LDR notification/certification includes: manifest number, correct EPA waste codes & treatment standards, and waste analysis data- 268.7	
20.	V	LDR notification/certification maintained for 5/ years-268.7.(a)(7)	

•	III COMPLIANCE	Y-INT II	in compliance	A/A-HOL	applicable	

21.	Approximate number of past 3 years x20-40	manifests	generated	since last	inspection		or over
22.	Approximate number of	manifests	reviewed:	3			
23.	Copies of manifests m	ade with re	gulatory v	violations?	☐ YES	NO N/A	

24.	Biennial	Reports	submitted	per	262.41?		YES		NO	
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DOCUMENTATION:	HOW are the facts known?	WHO said what? WHEN did it happen?
·	HOW long did it happen?	and WEAT PROOF WAS OBTAINED?

Activ	ity #	Facility Status:	SQC DIQC DI.S./P	Fagecf
25.	. Add:	itional requirements for off-site gen	erated manifests: N/A	please note
8	111	ADDITIONAL I.S./PERKIT REGULATORY REQUIREMENTS	HANTIFEST 8's AND CO	MEUS.
2.		Nanifests signed and dated-265.71(a)(1)		
ь.	ı.	Namifest discrepancies noted and corrected w/in 15 days-265.71(a)(2)		
c.		Copy immediately given to transporter- 265.71(a)(3)		
d.		Copy sent to generator w/in 30 days-265.71(a)(4)		
e.		Manifests retained for 3 years-265.71(a)(5)		
f.		LDR notification/certifications retained for 5 years-268.7(b)(6)		
√-in co	EMPL I AND	ce X-not in compliance N/A-not applicable *-p	lease note applicable permit require	1
g.	App	roximate number of manifest received t 3 years	since last inspection	or over
h.	App	roximate number of manifests reviewed	:	
i.	Cop	ies of manifests made with regulatory	violations? YES 1	io .
j.	Bier	nnial Reports submitted per 265.75	☐ YES ☐ NO	
26.	Note	es/Observations:		
			*	
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DOCUMENTATION: HOW are the facts known? WHO said what? WHEN did it happen?

HOW long did it happen? and WHAT PROOF WAS OBTAINED?

1.	. Name	e of designs	sted Emergency	Coordinator	(s): <u>5/</u>	wet Ma	nagers	On-Sit
						retteen	eighter	cco-doint
8	//x	10		rs			DACELLS	
•	V	262.34(d)(4)-2 (LGG, 1.5.)	with local emergency (265.37 [SQC] or 262.3	54(a)(4)~265.37 	Brough year	tin before Clust Man	r upenho	esclash
	V	262.34(d)(5)	rdinator on premiss o (SOE) or: 262.34(a)(4))-245.35 [LGG,		· · ·		
	COMPL 1 av		compliance N/A-not					
1.	Can J	local emerge	ency agencies ha	andle a con	taminated	person fro	m this far	cility?
	□ YES	S D NO						
						•		
	Notes	s/Observatio	ong:			/		
•	NOCE	/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	,	/ 51	, ,	11	- 61.	n (Em
				al List.			my rea	Lourd
				A. Tuttle		Manyse		·
7	all		Mark P.	etesan	!!			·
-	- to	et ee	Mark Zi	inger	Enn G	cerdinator		
C	on		Bill Darsh	thety	Maint	Marya		
, (an	A	Buy Pite	2515	Human	Reserver	Dineta	
	W/		JEARA			Line Man		
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- ctiv	 ity #	Facility Status:	of soc □ 1	QG E I	.S./P	Page_	_ of_
R	ESTI	E ANALYSIS/WASTE DETERMINA RICTIONS					
1.	Loca	tion of waste analysis/waste determin	ation reco	rds:	Mark	Hica Zingan	
*	//z	REGULATORY REQUIREMENTS			COVERS	٠.	
3	V	Determines if wester is a hazardous wester 262.11					
4:		Determines if weste is restricted from land disposel -262.11(d)-268.7(e)		· .			•
5.	MA	Generators waste analysis plan on-site for treatment in tanks/containers to meet LDR treatment standards-262.34(a)(4) [LDG] or 262.34(d)(4) [SDG] = 268.7(a)(4)					
6.	1	Impermissible dilution of waste to meet LDR standards is not occurring-268.11(d)-268.3(a) & (b)					
		ADDITIONAL I.S./PERMIT REQUIREMENTS					
7.		Obtains complete analysis before treatment; storage disposal-265.13(a)					
8.		Has method to inspect, track, and analyze all off-site generated waste for consistency with manifest descriptions-265.13(c)					
9.		Facility has written plan on-site which specifies: parameters, rational, test methods, smoling methods, frequency, waste analysis simulation from generator, list of applicable waste analysis methods to meet additional waste management requirements including LDR-265.13(b)	·				
-10 6	OMDL 1 ar	ce X-not in compliance N/A-not applicable * - es/Observations:	please note	ippi i cabie	permit stance	ras	- 1
10	. 1106		one	·			
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•							

DOCUMENTATION:

HOW are the facts known? WHO said what? WHEE did it happen? HOW long did it happen? and WHAT PROOF WAS OBTAINED?

VISUAL REVIEW WORKSHEET AND CHECKLIST

A. CONTAINER STORAGE AREA

(Complete one form per storage area)

1.	Name	and	location	of	area:	Haz	turd	ous	Waste	Storage	Avea	

2. Person responsible for area: Muk Zigge

3. Type of storage area: □ < 90 day □ < 180 day □ < 270 day □ I.S. □ Permit

4.	I.S.	capacity:	Permited capacity:
*	//x	REGULATORY REQUIREMENTS	COMEITS
5.	X	Date of accumulation marked-262.34(a)(2)	-2 not worked with accumulationstact.
6.		Containers marked as "Hazardous Waste" - 2623	
7.	1	Containers in good condition-262.34-265.171	×
· 8. : .		Containers are competible with waste-	
9.	1	Containers kept closed-262.34-265.173(a)	
10		Containers opened, handled, & stored in a manner not to cause them to leak- 262.34-265.173(a)	
₈ 11	0	Containers storing incompatible separated or protected form each other-262.34-265.177	
12.	0	Containers stored >50 feet from property line [LGG's, I.S. & Permit, only]-262.34-265.176	
13.	V	Adequate aisle space for type of container management and emergency equipment used-265.35	
14.	V	Containers stored for less than 90/180/270 days, as applicable-Z62.34	
15.	1	Facility inspected weekly-265.174	all S.As are inspected weekly
	,	ADDITIONAL I.S. REQUIREMENTS*	also
16.		Security: controlled entry, 24-hr. surveillance; or barrier-265.14(b)	
17.		"Danger Unauthorized Personnel Keep Out," signs posted-265.14(c)	
18.		"No Smoking" signs conspicuously posted- 265.17(a)	
19.	750 Y	Containers/Tanks clearly marked identifying their contents & with storage start date- 268.50(a)(2)	
20.		LDR wastes not stored over 1 yr, without adequate justification-268.50(c)	
21.		Daily inspections loading.unloading areas (when in use)-265.15(a)(4)	
		PRE-TRANSPORT REQUIREMENTS*	
22.	V	Waste packaged, labeled, marked, per DOT- 262.30, 262.31, 262.32, respectively	
23.	V	Placards available for use by transporters- 262.33	

/-in compliance X-not in compliance N/A-not applicable " - please note applicable permit requirement

	Ruys form Tempering Area	1 x 55 gal. 3/4 = 39 gal. == 1501h
	Ruge four Mirror Line	1 x 55 gal. Full x 30 gal. 200 ll
	Mirror Paint (contains)	Z x 55 gal. Full x 30 gal. 110 sal x 980 lb.
		x 55 gal x 30 gal
		x 55 gal x 30 gal
		x 55 gal x 30 gal
		x 55 gal x 30 gal
		Total Quantity (pounds, gallons, etc.): 230 16
31.	Total number of containers in	nspected: 4
32.	How were container volumes ve	erified? visual av racked
33.	Photos taken to verify observ	vations: NYES NO Numbers: Z-4
34.	Container management area loc	cation noted on map or diagram: MYES NO
35.	Notes Observations:	
	Also in area locks	2 drums et nonhuzurders wuste and
		at solvent (facility intended to try to reuse it
	if pussible)	
	The state of the s	

DOCUMENTATION:

BOW long did it happen?

HOW are the facts known? WHO said what? WHEN did it happen? and WHAT PROOF WAS OBTAINED?

	Total number of satellite areas at Person who has overall responsibili						10.20	Lgen	mt:	Ma	A Zia,
7	Please note your observations and f		1	sus		SAS	576	\$4.7	***	229	24.20
<u> </u>	Area at or near the point of generation-	341			-	٠					30.00
	262.34(c)(1) Area under the direct control of operator-		V	V	V.					-	
1	262.34(c)(1) Quantities accumulated do not exceed 55- galions or 1 quart (acute) -262.34(c)(1)	V	V	V	V						
Ì	Excess accumulation removed within 3 days = 262.34(c)(2)	V	V	V	V						
I	Containers marked identifying their contents- 262_34(c)(1)	V	1	V	V						
Ť	Containers in good condition-262.34(c)(1)		1	1	V			1	-		
	Containers are compatible with waster 262.34(c)(1)	0	1	V	V				<u> </u>		
<u></u>	Person responsible for area: Type(s) of waste accumulated: Number and Type of containers: How were container volumes verified Photos taken? TYES No Area noted on map or diagram: Notes/Observations: uste is Stored here. The pain and by Mainfenance. They	d?Ph	al on oto r	sal sumber	down full be	Cone	an	vah	_		tu.
9	ets moved.				<i>'</i>				_		Felle

tivit	y #: Pacility Status:
Satel	lite Area - SA2:
N	ame/Location of area: Tempering Area
	erson responsible for area: John Mc Callister
	ype(s) of waste accumulated: laga ink
	umber and Type of containers: 1 55-jullon draw
	ow were container volumes verified? <u>viscul</u> - almost empty
	hotos taken? YES Y No
	rea noted on map or diagram: X Yes D NO
	otes/Observations:
	marked for contents and "Hazardas Wastell
Satei	lite Area - SA3:
. 1	lame/Location of area: Tempering Aven
	Person responsible for area: John McLallistan
	type(s) of waste accumulated: mercury contactors
	Sumper and Type of containers: 1 55 gallon down
	Now were container volumes verified? rocked
I	Photos taken?
7	Area noted on map or diagram: 🗓 Yes 🛘 NO
1	Notes/Observations:
Sate	llite Area - SA4:
1	Name/Location of area: Misour Line
•	Person responsible for area: Tohn Junes
	Type(s) of waste accumulated: Rus contaminated with lead and release
	Number and Type of containers: SS-cal decon
	How were container volumes verified? racked - almost full
	Photos taken?
	Area noted on map or diagram: X Yes NO
	Notes/Observations:

DOCUMENTATION: BOW are the facts known? WHO said what? WHEN did it happen?

HOW long did it harren? and WHAT PROOF WAS OBTAINED?

Activity	Facility Status: W.SQG U LQG U 1.5./P Page_ of_
•	EXIT BRIEFING WORKSHEET
1. Init:	ial procedures:
Ŋ	Reviewed all data collection worksheets, checklists, field notes, and collected documents to ensure that all necessary information has been collected and documented. This review included the following:
violatio	- Documentation of the location of the violation, the type and amount of waste i, the duration or time frame of the violation, the specific dates when the on first started occurring, and the number of times or frequency that the same on was found at the facility.
about the	- Documentation regarding illegal waste management units, including: information ne units location (diagram/picture), its dimensions, its conditions, the ction material, the gradient of the base (for spills), and all other relevant cion.
who ship	- Documentation regarding illegal disposal situations, including: information ach occurrence, eg. where the waste was sent or disposed of, how it was shipped, eped it, when it was shipped or disposed of, how much was shipped or disposed of, waste was managed at the disposal site (land disposed, burned, etc.).
٥	Identified/verified violations from previous inspection were corrected (if applicable) N/A
Note add	ditional information needed and/or questions for facility representative(s):
	none
Z	Prepared Notice of Violation (NOV) form, if applicable
Ø	Prepared Document Receipt form
15	Pollution Prevention Checklist completed
12	Multi-Media screening completed, media(s):
2. Exit	Briefing:
No.	Addressed all unresolved inspection related issues
S	Provided facility with Document Receipt
2€	Provided facility with Page 3 of CBI form (only if facility makes a CBI claim)
B	Explained that the findings and observations resulting from the inspection were based on your current knowledge of RCRA and that the final findings may differ
8	Explained that the compliance officer will make the final compliance decisions regarding the findings and observations of the inspection and that all compliance related questions should be directed toward them
Ž	Explained that any recommendations provided during the inspection are for informational purposes only and DO NOT require specific actions by the facility
Þ	Summarized the findings and observations for the facility representatives
Notes	hone
Dunes .	

λct	ivity #: Facility Status: N SQC I LQC I.S./P Page of
3.	Proliminus Finding (Notice of Violation prepared and issued? EXTS NO (If yes complete below)
	All violations were clearly identified and explained, including: the circumstances, location, and the applicable regulations
	A Explained the importance of a timely and adequate response
4.	Specific information requested from facility? No YES INO (Note: Request all information in writing and copy)
	List information to be submitted to EPA:
	Facility did not want to decide on CBI declaration
	during inspection, but said a decision would be made
	soon and that I would be notified in
5.	Actions facility representatives said they would take as a result of the inspection: (Note who made these statements) WYES INO
	Decide whether or not to declapse information
	obtained during the inspection as CBI.
6.	Facility appears to have awareness of RCRA regulations and/or has its own environmenta staff? YYES NO
÷.	Facility appears to have little to no knowledge of RCRA? YES V NO
·s.	Facility has copy of applicable regulations? Uncertain TYES INO
9.	Note attitude and demeanor of facility representative(s) if applicable: U N/A
	very cooperative

DOCUMENTATION: BOW are the facts known? WEO said what? WHEE did it happen? BOW long did it happen? and WHAT PROOF WAS OBTAINED?

POLLUTION PREVENTION WORKSHEET

1. Do the manifests used by the facility certify that a pollution prevention program is in place (specific wording listed under 40 CFR 262 Appendix): Yes No Further Explanation:
2. Does the facility biennial report contain a description of pollution prevention efforts and achievements (specific requirements listed under 40 CFR 262.41 a.6 & a.7, 264.75 h & i, and 265.75 h & i): Yes No Further Explanation:
3. If facility is a permitted TSD, does the operating record contain an annual certification that a pollution prevention program is in place (specific wording listed under 40 CFR 264.73 b.9): YesNoN/A Further Explanation:
4. Does the facility have a written pollution prevention program: Yes No Further Explanation: Not of Sww PP & Solvent Manuscraft Plan. FPCC Plans Authorizance Plan. IF YES, ATTEMPT TO OBTAIN A PHOTOCOPY; COPY ATTACHED: YES NO
5. If the facilty does not have a written pollution prevention program, does the facility have an unwritten program that can be verbally described: Yes No N/A Further Explanation:
SUMMARY OF VERBAL DESCRIPTION:
NOTE: THERE IS NO REQUIREMENT FOR A POLLUTION PREVENTION PROGRAM TO BE WRITTEN, AND SPECIFIC REGULATORY CRITERIA HAVE NOT BEEN ESTABLISHED FOR POLLUTION PREVENTION PROGRAMS. THE INSPECTOR SHOULD NOT CONDUCT A TECHNICAL REVIEW OF WRITTEN OR VERBAL PLANS.
6. If the facility has a written or verbal pollution prevention program, is this program actually being implemented: Yes No Further Explanation:
7. Is facility complying with any additional pollution prevention requirements established by a permit or enforcement action: Yes
8. ENCOURAGE THE FACILITY TO BEGIN/CONTINUE POLLUTION PREVENTION EFFORTS: Accomplished
9. PROVIDE THE FACILITY WITH THE FOLLOWING INFORMATION:
Appropriate Fact Sheet(s): Accomplished (Multimedia plus industry specific if appropriate) State Contact Information: Accomplished Clearinghouse Information: Accomplished

Attachment 3 Page 6 g of 69

ATTACHMENT 4 NOTICE OF PRELIMINARY FINDINGS SHEET (One Page)

NOTICE OF PRELIMINARY FINDINGS

FACILITY NAME: 6 ADDRESS: 3	cardian Industries Co	repuration		
	e with Jowa			
	AR 0000 06668	DATE:	July 10,2002	
			,	
Agency ("EPA"). compliance evaluate observations/recom will be reported to complete list of evaluating the rep	I am a contractor tion inspections. mmendations found back to EPA. This observations/recomport prepared as a	for EPA re The follow during this is is not to mmendations. result of t	nmental Protection etained to conduct wing is a list of sinspection which be construed as a The EPA will be this inspection and simay have occurred	
2. 40 CFR 273 a mudical with 3. 40 CFR 262,1 muster soldic 4. 40 CFR 268,9 5. 40 CFR 268,9 5. 40 CFR 268,7	usuaste Storage area w 14 (e) - Several con- 4 the words "Universal l - Faility has not proform n that is specifify to not a ylene for denning. 10x2) - Facility is not a	eve not marked that was to was to bamps", " ned a proper har to some form a sing food as and include	s waste Continuous at the loss with accomplation start of langs were not waste Lumps", or "Used Lump and or the DU39 is used us a waste cold for ways for your waste cold for ways for your waste cold for ways are rugs used with xylene for	late.
If you have contact	any questions reg	garding thes	se findings please	
	ned person hereby a and has read the sa		receipt of a copy LE: FANT ENGINEER	
This document	was prepared by _	Donn J. Wil	liams, TetraTech E.	MI
	Page 1 of	1		

ATTACHMENT 5 CONFIDENTIALITY NOTICE (One Page)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY CONFIDENTIALITY NOTICE

Facility Name
Facility Address
racinty Address
300 S, 5th Avenue Eust / De Witt, Iowa 52742
Inspector (print)
U.S. EPA, Region VII, 901 N. 5th St., Kansas City, KS 66101 Date
U.S. EPA, Region VII, 901 N. 5th St., Kansas City, KS 66101 Date
The United States Environmental Protection Agency (EPA) is obligated, under the Freedom of Information Act, to release information collected during inspections to persons who submit requests for that information. The Freedom of Information Act does, however, have provisions that allow EPA to withhold certain confidential business information from public disclosure. To claim protection for information gathered during this inspection you must request that the information be held CONFIDENTIAL and substantiate your claim in writing by demonstrating that the information meets the requirements in 40 CFR 2, Subpart B. The following criteria in Subpart B must be met:
1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
2. No statute specifically requires disclosure of the information.
3. Disclosure of the information would cause substantial harm to your company's competitive position.
Information that you claim confidential will be held as such pending a determination of applicability by EPA.
I have received this Notice and <u>DO NOT</u> want to make a claim of confidentiality at this time.
Facility Representative Provided Notice (print) Signature/Date
I have received this Notice and <u>DO</u> want to make a claim of confidentiality.
Facility Representative Provided Notice (print) Signature/Date
MARK PETERSON ATTES
Information for which confidential treatment is requested;
PLEASE US COPIES OF THE NOTES, PICTURES AND THE REPORT. THERE MAY BE ITEMS
INCLUDED IN THEM THAT WOULD SUBSTANTIATE THE REQUEST FOR CONFIDENTIALITY.

(Rev: 11/15/99)

Attachment 5 Page of 1

ATTACHMENT 6

DOCUMENT RECEIPT

(One Page)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RECEIPT FOR DOCUMENTS AND SAMPLES

Facility Name Grandian Industries Corporation Facility Address 300 S Sth Avenue East / De Witt, James 52742
Documents Collected? YES (list below) NO
Samples Collected? YES (list below) NO Split Samples: YES NO
Documents/Samples were: 1)Received no charge 2)Borrowed 3)Purchased 3)Purchased
Amount Paid: \$ Method: Cash Voucher To Be Billed
The documents and samples described below were collected in connection with the administration and enforcement of the applicable statute under which the information is obtained.
Receipt for the document(s) and/or sample(s) described below is hereby acknowledged:
HW Manifest with LDR notice form IL 09938770
HW Manifest with 60R notice form IL9144121 2
Hw Manifest IL9141396
Hw Manifest IL9897306
MSDS - Safety Kleen Premium Sulvent
MSDS - Tempering Paint 2
MSDS - Mirror Paint
Analytical Report 16
Photographs - 5
Manifest - Ports wester Solvent
Manifest with LDR form - Ports washer Solvent 2
Site Dingram
Facility Paragonateting (wint)
Facility Representative (print) Signature/Date
Inspector (print) Signature/Date
Dean I. Williams, TetraTech EM, Inc. Dunch William
U.S. EPA, Region VII, 901 N. 5th Street, Kansas City, KS 66101
(rev:1/20/93)

Attachment 6 Page 1 of 1

ATTACHMENT 7
FACILITY SITE PLAN

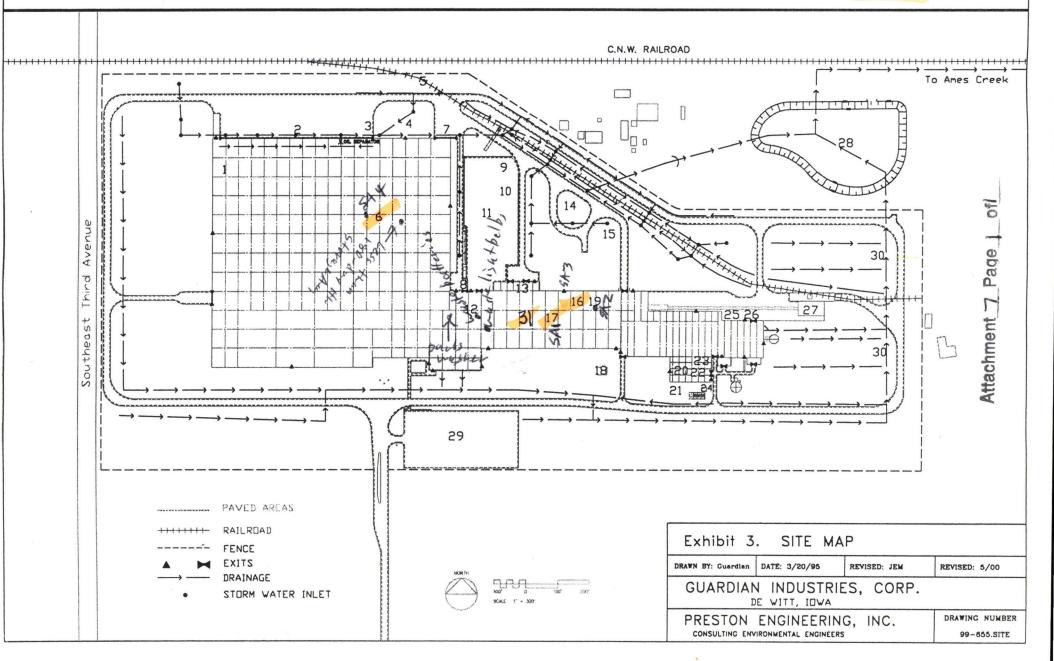
(One Page)

LOCATIONS MATE

- 1. ROUGE & CHARCDAL STORAGE
- 2. LOADING AREA
- 3. TRASH COMPACTOR/ DUMPSTER
- 4. RACK STORAGE
- 5. R.R. MATERIAL DEPOSTION
- 6. MIRROR LINE HAZ. WASTE 7. WASTE WOOD DUMPSTER
- 8. PROPANE STORAGE 2000-GAL MINERAL SPIRITS TANK 500-GAL DIESEL FUEL TANK
- 150-GAL GASOLINE FUEL TANK
- 10. MIRROR DUMPSTER
- 11. CULLET STORAGE 12. 200-GAL MINERAL SPIRITS TANK
- 13. TRANSFORMERS

- 14. HYDROGEN STORAGE
- 15. NITROGEN STORAGE
- 16. TEMP LINE HAZ WASTE 17. DIL/ USED DIL DRUM STORAGE
- 18. CAUSTIC SODA (NaDH) 19. SULFUR DIOXIDE IN USE
- 20. TRANSFORMERS
- 21. 5000-GAL DIESEL FUEL TANK
- 22. DIESEL GENERATORS 100-GAL DIESEL FUEL TANK LIQUID CHLORINE/ BLEACH
- 23. WATER TREATMENT CHEMICALS
- 24. SULFURIC ACID TANK POTASSIUM HYDROXIDE TANK
- 25. SULFUR DIOXIDE STORAGE
- 26. REJECT BATCH BIN

- 27. BATCH HOUSE MIXERS RAW MATERIAL STORAGE SILOS
- 28. STORM WATER BASIN
- 29. PARKING LOT
- 30. EROSION
- 31. BATTERY & LIGHT STORAGE AREA



ATTACHMENT 8 MATERIAL SAFETY DATA SHEETS (18 Pages)

BREET management DATA SAFETY MATERIAL

PASE (1)

MSD5 ID & ######100153

24 hour emergency phone 412 456-7499

Original issue date: 86/15/84

Revised: 61/86/98 Prepared by: 6 8 DUE

tempering loso pains

I. IDENTIFICATION

Product Home: M 179 WHITE GLASS MARKING OFFSET INK

Idi NA

(b) [0029-920

label: NA

DOT Instrictions: NA

Other [c] NA

I INGREDIENTS AND HAZARDS

Ingredients DISTHYLENE BLYCOL MONO

CAS KJ. 20.0 112-34-5

NΑ

PEL

TLV

HAZARD DATA NA 83 Combustible Liquid / Listed SARA Title III

BUTYL ETHER

DEAKENFELD 22 1369 WHITE

NA 29.8 NA

NA .85 MS/M3 B1 Poisonous if swallowed / Listed SARA Title !!!

LEAD CARMIUM

1.3 NA

8.1MB/M3 .2 MB/M3 81 Poisonous if swallowed / Listed SARA Title III

AS ESHPOUND: TLV: NA

3. PHYSICAL DATA

Sciling Point (F) 450 (C) Freezing Point(F) NA (C) 230 Vap. Pres. (## Hg) NA Vap. Dens. (AIR

NA Spec. Grav. (K20=1) =11 HEAVIER Volitale by Wot.

RA Evan. Rate(BUTYL ACETATE=1) 28 %

SLOWER Spluble in water? Ho

Carcinoden (Y/N) N VOC (grams/liter)

393

HMIS (H/F/R)

2/2/8

Accearance and Odor: White sami paste type ink slight cylcol either odor

4. FIRE AND EXPLOSION HAZARD DATA

LEL UEL

Flash Point (method used) >278 F T.C.C.

Flammable Limits NA I NA I Auto-ignition Temp. NA

Estinguishing Med. 1119 SMALL FIRES: Dry chemical, CO 2, or elcohol foam

LARGE FIRES: Fog or alcohol foam

Special Procedure 2002 CO2, dry chemical, and alcohol foam. Class B fire: Use blanketing effect to smother fire. Use of water may be ineffective in putting out fire; but it should be used to cool fire-exposed containers. DE

Unusual Hazard

3000 Container may explode in heat of fire.

The information contained herein is based upon what we believe to be reliable data. However, we make no warranty or quarantee, express or implied, concerning the accuracy of such information and disclaim all liability from reliance thereon. You should evaluate the information through your own sources prior to use.

SE 1

3

Matthews Int Corp.

6515 Penn Ave

Pittsburgh

PA 15286

412 665-2568

MSDS IE # IIIIII188183 Product: M 173 WHITE GLASS MARKING OFFSET INK

PAGE (2)

5 "EALTH HAZARD DATA

Overexposure 5382 Eyes: can cause irritation - Skin: may cause irritation - Inhalation: of mist can cause irritation of Symptoms nasal and respiratory passages - Swallowing: can cause gastronintestinal irritation, nausea, vomiting

and and diarrhea

Effects CHRONIC: Prolonged overexposure to Chromate compounds may present health hezards. Chromate compounds are

reported to be potential carcinogens. Prolonged or repeated intake can result in lead poisioning inhalation or ingestion could cause renal dysfunction, proteins, anemia, emphysema. Exposure to decomposed material may result in inhalation of cadmium oxide fumes, suspected carcinogens.

Primary routes 6185 Skin Absorption, Ingestion, Skin and/or Eye Contact. of entry

EMERGENCY & 7804 SKIN CONTACT: Wash area with soap and water. Immediately remove soiled cothing.

FIRSY AID: 7881 EVE CONTACT; immediately flush with water for 15 minutes including under the eyelids. Bet medical help.

PROCEDURES 7827 INGESTION: Sive water to dilute. Induce vomiting.

7814 INHALATION: Remove to fresh air. If irritation persists, get medical help.

7828 INHALATION: Contact physician. Restore or support breathing, keep warm and at rest.

ASSKAVATED I

MEDICAL

CONDITIONS

5. REACTIVITY DATA

Stable ? Yes — Conditions to avoid MA
Incompetability — Strong exidizing agents
laterial to avoid) Acidity — hydrogen sulfide evolves and tadmium salts are produced

Hazardous Decompo- Thermal decompostion may produce carbon monoxide and carbon dioxide sition Products Cadmium oxide

Hazardous Polymerization may occur. No. Condition to avoid NA

7. SPILL OR LEAK PROCEDURES CHEMTREC TELEPHONE # 888-424-9380 COAST GUARD TELEPHONE # 886-424-8882

Steps in case 8313 Shut off ignition sources; no flares, sacking or flares in hazard area. Do not touch spilled paterial.

Small Spills: Flush area with flooding amounts of water, Large Spills: Wet down with water and dike for later disposal.

Materials

KA

released

Waste disposal 9042 Waste material in containers can be deposited in an approved landfill in accordance with Federal, State, method and lotal regulations.

B. SPECIAL PROTECTION INFORMATION

, 1

Respiratory: If TLV exceeded use of a NIOSH approved respirator is advised

Flores: Neoprene Eye and Face: Chemical goggles or full face sheild

Other Protective Equipment: Equipment to prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Ventilation: Provide sufficient mechanical ventilation to maintain exposure below TLV

MATERIAL SAFETY DATA SHEET	M	A	T	B	R	I	A	L		3_	A	F	E	T	Y	D	2	1	T	A		S	H	B	E	T	
----------------------------	---	---	---	---	---	---	---	---	--	----	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	--

GRAY CURTAIN COAT MIRROR BACK

Page: 1

PRODUCT NAME: GRAY CURTAIN COAT MIRROR BACK

HMIS CODES: H F R P

PRODUCT CODE: 900X060

3*3 0 H

	SECTION	I	-	MANUFACTURER	IDENTIFICATION	
--	---------	---	---	--------------	----------------	--

MANUFACTURER'S NAME: HILEMN LLC ADDRESS : 3125 SPRING GARDEN STREET

GREENSBORO, NORTH CAROLINA 27407

EMERGENCY PHONE

: 800-424-9300

DATE PRINTED

: 12/06/00

INFORMATION PHONE

* 335-299-0835

NAME OF PREPARER : HILEMN, LLC

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

Ī		VAPOR P	RESSURE	HE I GHT		•
REPORTABLE COMPONENTS	CAS NUMBER	· ·	S YEMP	PERCENT		
BUTYL ACETATE/N-BUTYL ACETATE	123-86-4	10	68			
OSHA PEL: 150ppm, ACGIH TLV: 150ppm, OTHER: 200ppmSTEL					•	•
LIGHT AROMATIC SOLVENT	64742-95-6	4	77			
OSHA PEL: 25ppm, ACGIH TLV: 25ppm		• '				drans.
ISOBUTANOL/2-METHYL-1-PROPANOL	78-83-1	9	.68		Cartair	3 4
OSKA PEL: 100ppm, ACGIH TLV: 50ppm, OTHER: 75ppmSTEL				•		
PETROLEUM KYDROCARBON NAPHYKA/3,UN1256,111	8052-41-3	2	68			ro Annoge formlations
OSHA PEL: 100ppm, ACGIN YLV: 100ppm					70	•
* LEAD SULFATE	7446-14-2			(4.2)	To Lead	formula land
OSHA PEL: .05mg/H3, ACGIR TLV: .15mg/H3					- New York Continues of the Continues of	
* 1,2,4-TRIMETHYLBENZENE	95-63-6	21	100	3		
OBNA PEL: 25ppm, ACG1H TLV: 25ppm						
TITANIUM DIOXIDE	13463-67-7					, , , , , , , , , , , , , , , , , , ,
ACGIH TLV: 10 mg/m3				•		
OSHA PEL: 15 mg/m3; 5 mg/m3 Remp						
TITAMIUM DICKINE	1317-80-2					
ACGIH TLV: 10 mg/m3						•
OSHA PEL: 15 mg/m3; 5 mg/m3 Resp					•	
the state of the s						

OSHA PEL: 2 mg/m3 * LINE ONLOR

ACGIN THA: 2 mg/m3 respirable dust

MAGNESIUM SILICATE HYDRATE

1314-13-2

14807-96-6

2

SAFETY DATA SHEET

- GRAY CURTAIN COAT MIRROR BACK

Page:

OSHA PEL: 5MG/M3, ACG18 TLV: 10MG/M3

LEAD CYANAMIDE

20837-86-9

1.4) To Look formile hand

* ETHYLENE GLYCOL BUTYL ETHER / BUTOXYETHANOL

111-76-2

OSHA PEL: .05kmg/M3, ACGIR TLV: .15mg/M3

OSHA PEL: 25ppm, ACGIK TLV: 25SKIN, OTHER: 75ppmSTEL

CARBON BLACK

1333-86-4

0.3

OSHA PEL: 3.5mg/M3, ACGEH TLV: 3.5mg/M3

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title IDE and of 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 226 deg F - 336 VAPOR DENSITY: Heavier than air SPECIFIC GRAVITY (H20=1):

EVAPORATION RATE: Slower than ether

COATING V.O.C.: 4.30 lb/ql

MATERIAL V.O.C.: 4.30 lb/ql

SOLUBILITY IN WATER: Negligible

APPEARANCE AND ODOR: Opaque and/or viscous liquid with organic solvent odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 81 deg F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .9

UPPER: 10.9

EXTINGUISHING MEDIA: Foam, alcohol foam, CO2, dry chemical, or water fog.

o SPECIAL FIREFIGHTING PROCEDURES

Firefighters should wear self-contained breathing apparatus. Although water may be ineffective, a water for may be used to cool closed containers that are exposed to heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Pressure may build up in closed containers that are exposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and flash back.

SECTION V REACTIVITY DATA

STABILITY: Stable CONDITIONS TO AVOID

None known

INCOMPATIFILITY (MATERIALS TO AVOID)

MATERIAL SAFETY DATA SHEET

GRAY CURTAIN COAT MIRROR BACK

Page:

Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

BY FIRE: Normal products of incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Dizziness, headache, nausea, shortness of breath, solvent taste in the mouth, narcosis, euphoria, or zunconsciousness.

Ξ skin and eye contact health risks and symptoms of exposure

Burning sensation with reddening of the eyes, irritation, rash, or burning sensation on the skin in unprotected areas.

🗏 SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE 🗵

Prolonged or repeated unprotected skin contact may cause defatting, drying of the skin, or dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Gastrointestinal distress with sysmtoms of systemic poisoning.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Shortness of breath, burning sensation of respiratory passages, nausea, headache and increased proneness to accident.

w CHRONIC: Narcosis, kidney and liver disfunction with possible central nervous system effects.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: Yes

CALIFORNIA PROPOSITION 65 STATEMENT: Check Section II of this MSDS for hazardous ingredients whose name contains the characters [65]. These ingredients are listed or have trace components that are listed on California Propisition 65 lists.

medical conditions generally aggravated by exposure

@Respiratory difficulty or pre-existing skin sensitization.

HEMERGENCY AND FIRST AID PROCEDURES

FOR EYRS: Plush with plenty of clean flowing water for at least 15 minutes and get medical attention. FOR SKIN: Wash affected areas with plenty of warm soapy water. Launder contaminated clothing and shoes before treuse. IF AFFECTED BY INHALATION OF VAPORS: Remove to fresh air. Give oxygen if breathing is difficult. Administer artificial respiration if breathing has stoped. IF SWALLOWED: Call a physician ammedically.

MATERIAL SAFETY DATA SHEET

SGRAY CURTAIN COAT MIRROR BACK

Page:

 $\frac{3}{4}$ Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

======== SECTION VII -PRECAUTIONS FOR SAFE HANDLING AND USE =========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Provide adequate ventilation. Remove all possible ignition sources. Absorb with inert absorbant and dispose in accordance with local regulations for ignitable hazardous waste.

WASTE DISPOSAL METHOD

Dispose in accordance with local regulations for ignitable hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool dry place. Outside or detached storage is preferrable. Inside storage should be in a standard flammable liquid storage room or cabinet. Ground containers when transferring liquid from one metal container to another. Do not reuse empty product container for any purpose.

OTHER PRECAUTIONS

If a second component is added to this product, or if any additives or thinners are introduced into this product, read all product labels and all Material Safety Data Sheets prior to use.

| The product | Section | S

RESPIRATORY PROTECTION

Combination vapor-particulate respirator for use in solvent-containing environments is recommended, if ventilation is inadequate. If over-exposure is possible, use Air Supplied Respirator.

... VENTILATION

5 Local ventilation should be sufficient to reduce airborne vapor concentrations to below LEL and TLV to be considered adequate.

PROTECTIVE GLOVES

Recommended where skin contact is likely. Use solvent resistant gloves such as nitrite rubber.

ZEYE PROTECTION

ElChemical splash goggles are highly recommended, particularly when potential for splashing into the eyes is high.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Solvent resistant clothing is recommended as needed to avoid skin contact.

WORK/HYGIENIC PRACTICES

MATERIAL SAFETY DATA SHEET

GRAY CURTAIN COAT MIRROR BACK

Page: 5

Attachment 8 Page 2 of (S

 $rac{1}{4}$ Wash hands thoroughly after handling product and before smoking or eating.

The recommendations provided herein are based on information believed to be accurate. None of the information stated is to be construed as any express warranty. This product is intended for industry use only and should only be used by professionals who have carefully evaluated this product.

SAFETY-KLEEN PREMIUM SOLVENT SAFETY-KLEEN PREMIUM GOLD SOLVENT



MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SAFETY-KLEEN PREMIUM SOLVENT

SAFETY-KLEEN PREMIUM GOLD SOLVENT

Parts Washer Solvent: Petroleum Distillates; Petroleum Naptha. SYNONYMS:

Naptha, Solvent; Stoddard Solvent; Mineral Spirits.

PRODUCT PART

6605, 6638. **NUMBERS:**

PRODUCT USE: Cleaning and degreasing metal parts.

If these products are used in combination with other products, refer to

the Material Safety Data Sheets for those products.

24-HOUR EMERGENCY PHONE NUMBERS

These numbers are for emergency use only. If

you desire non-emergency 1-800-752-7869

product information, Extension 2

please call a phone

number listed below.

MEDICAL:

or

1-312-906-6194

1-800-468-1760 (USA)

1-613-996-6666 (CANADA)

TRANSPORTATION (SPILL):

(call collect)

SUPPLIER:

Safety-Kleen Corp.

1301 Gervais Street, Suite 300

Columbia, SC 29201

USA

1-803-933-4200

TECHNICAL INFORMATION 1-800-669-5740, Extension 7500

MSDS FORM NUMBER: 82658 (Also formerly known ISSUE: March 24, 2000

as 82529)

ORIGINAL ISSUE: January 26, 1995 (Also formerly SUPERSEDES: April 4, 1997

January 7, 1993)

PREPARED BY: Product MSDS Coordinator APPROVED BY: MSDS Task Force

Revision 03/00; MSDS Form No. 82658 - Page 1 of 11

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

WI36	NAME	SYNONYM	CAS NO	OS TWA	HA PEL STEL	ACGII TWA	H ILV® STEL	ſĎ _s	rcp
100	Distillates (petroleum) hydrotreated light ^e	H Av	64742-47-8	500 ^d ppm	N Av	160 ^d ppm	N Av	>5000°	>5500 ^d mg/m ³ /4 bouts
aOral-Ra	lot Available LLD (mg/kg) on-Rat LC	LD ₅₀ >	d on Stoddard solvent ≥3000 mg/kg d on Stoddard Solven		bbit		ely Danger	Solvent NIC ous to Life or opmi	-

SECTION 3: HAZARDS IDENTIFICATION

APPEARANCE

Liquid, clear, colorless to pale yellow, mild hydrocarbon odor.

WARNING!

PHYSICAL HAZARD

Combustible liquid and vapor.

HEALTH HAZARDS

May be harmful if inhaled

May irritate eyes and skin

May be harmful if swallowed.

Contains material which may cause central nervous system damage.

ENVIRONMENTAL HAZARDS

Not toxic to aquatic life.

POTENTIAL HEALTH EFFECTS

INHALATION

High concentrations of vapor or mist may be harmful if inhaled. High

(BREATHING): concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea, vomiting,

> headaches, dizziness, loss of coordination, numbness, and other central nervous system effects. Massive acute overexposure may cause rapid central

nervous system depression, sudden collapse, coma, and/or death.

EYES:

May cause irritation with watering, stinging, and/or redness.

SKIN:

May cause irritation. Not likely to be absorbed through the skin in harmful.

amounts.

Revision 03/00, MSDS Form No. 82658 - Page 2 of 11

INGESTION

May be harmful if swallowed. May cause throat irritation, nausea, vomiting, (SWALLOWING): and central nervous system effects as noted under INHALATION (BREATHING) Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death

AGGRAVATED BY **EXPOSURE:**

MEDICAL CONDITIONS Individuals with pre-existing respiratory tract (nose, throat, and lungs), central nervous system, eye, and/or skin disorders may have increased susceptibility to the effects of exposure

CHRONIC:

Prolonged or repeated inhalation may cause toxic effects as noted under INHALATION (BREATHING). Prolonged or repeated inhalation and/or ingestion has been suggested to produce kidney toxicity in dogs but in no other species, including humans. According to one unsubstantiated human case report, prolonged or repeated inhalation, skin contact, and/or ingestion may cause mild, acute chemical hepatitis and acute, yellow atrophy (size reduction) of the liver. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis), and/or burns.

CANCER INFORMATION: No known carcinogenicity. For more information, see SECTION 11:

CARCINOGENICITY

Also see SECTION 15: CALIFORNIA.

POTENTIAL ENVIRONMENTAL EFFECTS

Product is not toxic to aquatic life. Also see SECTION 12: ECOLOGICAL INFORMATION

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING)

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel Someone should stay with victim. Get medical attention if breathing difficulty persists

EYES:

If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention.

SKIN:

Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists.

Revision 03/00. MSDS Form No. 82658 - Page 3 of 11

INGESTION: (SWALLOWING)

Do NOT induce vomiting Immediately get medical attention Call

NG) 1-800-752-7869, extension 2 or 1-312-906-6194 for additional information.

If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything to an unconscious person

by mouth

NOTE TO PHYSICIANS:

Treat symptomatically and supportively Administration of gastric lavage,

if warranted, should be performed by qualified medical personnel.

Treatment may vary with condition of victim and specifics of incident. Call 1-800-752-7869, extension 2 or 1-312-906-6194 for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:

148°F (64°C) (approximately) Tag Closed Cup

FLAMMABLE LIMITS IN AIR:

LOWER: 0.7 VOL% (minimum)

UPPER: 5 VOL% (maximum)

AUTOIGNITION

TEMPERATURE:

410°F (210°C) (minimum)

HAZARDOUS COMBUSTION

PRODUCTS:

Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide and unidentified

organic compounds.

CONDITIONS OF

FLAMMABILITY:

Heat, sparks, or flame.

EXTINGUISHING MEDIA:

Carbon dioxide, regular foam, dry chemical, water spray, or

water fog.

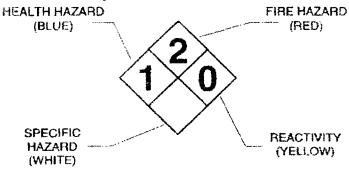
NFPA 704

HAZARD

IDENTIFICATION:

This information is intended solely for the use by individuals

trained in this system



Revision 03/00; MSDS Form No. 82658 - Page 4 of 11

FIRE FIGHTING INSTRUCTIONS:

Keep storage containers cool with water spray

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for

fire emergencies

FIRE AND EXPLOSION HAZARDS:

Vapor explosion hazard indoors, outdoors, or in sewers
Vapors may travel to ignition source and flashback. Vapors
will spread along the ground and collect in low or confined
areas. Run-off to sewer may create a fire hazard. Heated
containers may rupture. "Empty" containers may retain
residue and can be dangerous. Not sensitive to mechanical
impact. Product may be sensitive to static discharge, which
could result in fire or explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface waters and sewers. Contain spill as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal.

Additionally, for large spills. Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING:

Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke while using these products.

SHIPPING AND STORING:

Keep container tightly closed when not in use and during transport. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORT INFORMATION** for Packing Group information.

Revision 03/00, MSDS Form No. 82658 - Page 5 of 11

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION:

Use NIOSH-certified, air-purifying respirators with organic vapor cartridges respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air-purifying respirators is limited. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910 134; or in Canada with CSA Standard Z94.4.

EYE

PROTECTION:

Where eye contact is likely, wear chemical goggles, contact lens use

is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear nitrile, supported neoprene, Viton®, polyvinyl alcohol (PVA), laminate (such as North Silver Shield®, Safety 4 4h®, Ansell Edmont Barrier®), or equivalent protective gloves; use of polyvinyl chloride (PVC), natural rubber (latex), or equivalent gloves is not recommended

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard affected clothing, shoes, or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with the product.

OTHER
PROTECTIVE
EQUIPMENT:

Where spills and splashes are likely, facilities storing or using this product should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

Revision 03/00, MSDS Form No. 82658 - Page 6 of 11

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE,

APPEARANCE, AND ODOR:

Liquid, clear, colorless to pale yellow, mild hydrocarbon

odor

ODOR THRESHOLD:

30 ppm (based on Stoddard Solvent)

MOLECULAR WEIGHT:

Not available.

SPECIFIC GRAVITY:

0 78 to 0.82 at 60°F/60°F (15.6°C/15 6°C) (water = 1)

DENSITY:

6.5 to 6.8 LB/US gal (780 to 820 g/l)

VAPOR DENSITY:

5 (air = 1) (approximately)

VAPOR PRESSURE:

0.2 mm Hg at 68°F (20°C) (approximately)

0.6 mm Hg at 100°F (38°C) (approximately)

BOILING POINT:

350°F (177°C) (initial)

FREEZING/MELTING POINT:

-45°F (-43°C) (maximum)

pH:

Not applicable.

EVAPORATION RATE:

0.1 (butyl acetate = 1) (based on Stoddard Solvent)

SOLUBILITY IN WATER:

Insoluble.

FLASH POINT:

148°F (64°C) (approximately) Tag Closed Cup

FLAMMABLE LIMITS IN AIR:

LOWER: 0.7 VOL% (minimum)

UPPER: 5 VOL% (maximum)

AUTOIGNITION

TEMPERATURE:

410°F (210°C) (minimum)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

Stable under normal temperatures and pressures. Avoid heat, sparks,

or flame

INCOMPATIBILITY:

Avoid acids, alkalies, oxidizing agents, reducing agents, or reactive

halogens.

Revision 03/00, MSDS Form No. 82658 - Page 7 of 11

REACTIVITY:

Polymerization is not known to occur under normal temperatures and

pressures Not reactive with water.

HAZARDOUS

DECOMPOSITION

PRODUCTS:

None under normal temperatures and pressures See

also SECTION 5: HAZARDOUS COMBUSTION PRODUCTS

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION:

Based on best current information, there is no known human

sensitization associated with these products.

MUTAGENICITY:

Based on best current information, there is no known mutagenicity

associated with these products.

CARCINOGENICITY: Based on best current information, there is no known carcinogenicity as

regulated by OSHA, as categorized by ACGIH A1 or A2 substances; as categorized by IARC Group 1, Group 2A, or Group 2B agents; or as listed by NTP as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient

evidence of carcinogenicity in experimental animals

Also see SECTION 15: CALIFORNIA.

REPRODUCTIVE TOXICITY:

Based on best current information, there is no known reproductive

toxicity associated with these products.

Also see SECTION 15: CALIFORNIA.

TERATOGENICITY:

Based on best current information, there is no known teratogenicity

associated with these products

SYNERGISTIC PRODUCT(S):

TOXICOLOGICALLY Based on best current information, there are no known toxicologically synergistic products associated with these

products.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:

A Static Acute Bioassay as per the California Department of Fish and Game WPCL, was done using fathead minnows.

and up to 750 ppm of the products in water.

The material passed the bioassay with only 1 out of 10 minnows dying. To fail the bioassay, more than 40% of the

fish would die in 750 ppm.

Revision 03/00, MSDS Form No. 82658 - Page 8 of 11

SAFETY-KLEEN PREMIUM SOLVENT SAFETY-KLEEN PREMIUM GOLD SOLVENT MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

OCTANOL/WATER

PARTITION COEFFICIENT:

Not available.

VOLATILE ORGANIC

100 WT%; 6.5 to 6.8 LB/US gal, 780 to 820 g/l

COMPOUNDS:

As per 40 CFR Part 51 100(s)

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL:

Dispose in accordance with federal, state, provincial, and local regulations Regulations may also apply to empty containers. The responsibility for

proper waste disposal lies with the owner of the waste. Contact

Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE

Not regulated.

CODE(S):

Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the

waste code(s) applicable to the disposal of these products

SECTION 14: TRANSPORT INFORMATION

DOT:

COMBUSTIBLE LIQUID, NO.S. (PETROLEUM NAPHTHA),

NA1993, PG III

TDG:

Not regulated.

EMERGENCY RESPONSE

128

GUIDE NUMBER:

Reference North American Emergency Response Guidebook

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 302 AND 304:

Based on the ingredient listed in **SECTION 2**, these products do not contain any "extremely hazardous substances" listed pursuant to

Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355.

Appendix A and B.

SARA SECTIONS 311 AND 312: These products pose the following physical and health hazards as defined in 40 CFR Part 370 and are subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and

Reauthorization Act of 1986 (SARA). Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

Fire Hazard

Revision 03/00; MSDS Form No. 82658 - Page 9 of 11

SAFETY-KLEEN PREMIUM SOLVENT SAFETY-KLEEN PREMIUM GOLD SOLVENT MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SARA SECTION

313:

These products do not contain toxic chemicals subject to the

requirements of section 313 of Title III of the Superfund Amendments

and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372

CERCLA:

Based on the ingredient listed in SECTION 2, these products do not

contain any "hazardous substance" listed pursuant to the

Comprehensive Environmental Response, Compensation and Liability

Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4

TSCA:

All the components of these products are listed on the TSCA Inventory.

CALIFORNIA:

These products may contain detectable amounts of benzene

CAS 71-43-2 (at or below 0.4 mg/L) and p-dichlorobenzene

CAS 106-46-7 (at or below 5 mg/L) WARNING These chemicals are

known to the State of California to cause cancer.

These products may contain detectable amounts of benzene

CAS 71-43-2 (at or below 0.4 mg/L) and toluene CAS 108-88-3 (at or below 30 mg/L). WARNING: These chemicals are known to the State

of California to cause birth defects or other reproductive harm

CANADIAN REGULATIONS

These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS:

B3, D2B

CANADIAN ENVIRONMENTAL

PROTECTION ACT

(CEPA):

All the components of these products are listed on the Canadian Domestic Substances List (DSL).

Revision 03/00; MSDS Form No. 82658 - Page 10 of 11

SAFETY-KLEEN PREMIUM SOLVENT SAFETY-KLEEN PREMIUM GOLD SOLVENT MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

Revised format This MSDS has been revised in the

following sections:

SECTION 1: added SAFETY-KLEEN PREMIUM

SOLVENT product

SECTION 3: Emergency Overview, Inhalation, Chronic

SECTION 4: Ingestion

SECTION 5: Upper Flammable Limit, Autoignition

Temperature

SECTION 8: Skin Protection SECTION 9: Molecular Weight

SECTION 12: Ecotoxicity

LABEL/OTHER INFORMATION:

These products are United States Department of

Agriculture (USDA) approved and Underwriter's

Laboratories (UL) classified.

User assumes all risks incident to the use of these products. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warrantes, either express or implied, or merchantability, finess for a padicular purpose or of any other nature are made hereinder with respect to information or the product to which information refers. The data contained on this sheet apply to the products as supplied to the user.



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Revision 03/00; MSDS Form No. 82658 - Page 11 of 11

Attachment_&Page_/8 of 18

ATTACHMENT 9 ANALYTICAL TESTING REPORT

(16 Pages)



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

wasternater treatment filter press cake

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471 STEVE GROTHUS 1640 MARLO AVE.

DAVENPORT, IA 52803

Project: 1,2,3,4

Project Name: GUARDIAN GLASS

Sampler: J. DUFFY

Lab Number: 99-A42244

Sample ID: #1

Sample Type: Solid waste

Site ID:

Date Collected: 3/ 9/99

Time Collected: 14:40

Date Received: 3/11/99

Time Received: 9:00

Analyte	Result	Units	Report Linit	Linit	Dil Factor	Date	Tlne	Analgst	Nethod	Batch
HUETALSH										
Copper	40100	ng/kg	103.	1.00	100	3/30/99	12: 27	R. Kelley	6910A	8273
Iron	279000	ng∕kg	1000	10.0	100	3/30/99	12: 27	R. Kelley	6010K	8273
TCLF Results										
			:	Matrix Sp	ike					
Analyte	Result	Units	Reg Linit	Recover	ry (%)	Date	Tine	Analyst	Method	
Arsenic	₹ 0.10	ng/1	5.0	108		3/31/99	8:15	R. Kelleg	60108	
Sarium	< 1.00	ng/I	100	98		3/31/99	8:15	R. Kelleg	60108	
Cadmium	< 0.100	ng/I	1.0	99		3/31/99	8:15	R. Kelley	6010B	
Chronium	(0.50	ng/1	5.0	101		3/31/99		R. Kelleg	60106	
Lead .	₹ 0.59	ng/l	5.0	100		3/31/99	8:15	R. Kelleg	60108	
Nercurg	₹ 0.010	ng/1	0.20	104		4/ 2/99	6:58	G. Robinson	7470a	
Selenium /	< 0.100	ng/l	1.0	110		3/31/99	8:15	R. Kelley	60108	
Silver	< 0.18	ng/l	5.0	102		3/31/99	8:15	R. Kelley	60108	
Benzene	< 0.10	ng/1	0.5	109		3/26/99	18:40	R. Hard	8260	
Carbon tetrachloride	< 0.10	ng/1	0.5	191		3/26/99	18:40	R. Hard	8260	
Chlorobanzene	< 0.10	Hg/1	100	107		3/26/99	18:40	R. Hard	8260	
Chloroforn	< 0.100	Hg/1	6.0	198		3/26/99	18:40	R. Hard	6260	
1,2-Dichloroethane	< 0.18	ng/1	8.5	183		3/26/99	18:40	R. Xar€	8260	
1,1-Dichloroethene	< 0.10	ng/1	07	197		3/26/99	18:40	R. Hard	8260	
Methylethylketone	(1.0	mg/1	200	106		3/26/99	18:40	R. Hard	8260	
Tetrachloroethene	< 0.10	ng/1	0.7	101		3/26/99	18:40	R. Ward	8260	
Trichloroethene	< 0.10	Hg/1	9.5	109		3/26/99	18:40	R. Nard	8260	
Vingl Chloride	< 0.10	ng/1	0.2	107		3/26/99	18:40	R. Hard	8268	
Cresols	< 0.10	nq/1	200	96		3/31/99	17:50	N. Goodrich	8278	
1,4-Dichlorobenzene	(0.10	ng/l	7.5	79		3/31/99	17:50	n. Goodrich	8270	
2,4-Dinitrotoluene	(0, 10	ng/l	0.13	76		3/31/99	17:50	M. Goodrich	8270	
Hexachlorobenzene	€ 0.10	Hg/1	9.13	50		3/31/99	17:50	M. Goodrich	8270	
exchlor-1,3-butadien	< 0.10	ng/l	0.5	74		3/31/99	17:56	n. Goodrich	8270	
Hexachloroethane	< 9.10	# 4/1	3.0	88		3/31/99	17:50	n. Goodrich	8270	
Hitrobenzene	< 0.10	ng/1	2.0	88		3/31/99		M. Soodrich		
Pentachlorophenol	< 0.10	ng/l	100	102		3/31/99		M. Soodrich		
Pgridine	< 0.10	ng/1	5.0	42		3/31/99		n. Goodrich		
				COPY 2	2	Attach	ment	<u>¶</u> Page	of_16	• • • • • • • • • • • • • • • • • • •



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A42244

Sample ID: #1

Page 2

TOLP Results

Matrix Spike									
Analyte	Result	Units	Reg Linit	Recovery (%)	Date	Tine	Analyst	Method	

2,4,5-Trichlorophenol	< 0.10	ng/1	400	33	3/31/99	17:50	M. Soodrich	8270	
2,4,6-Trichlorophenol	(0.16	ng/1	2.0	96	3/31/99	17:50	N. Goodrick	8270	
TCLP Extraction	Completed				3/25/ 99	16:00	Schweikert	1311	
Zero Headspace Extraction	Completed				3/25/99	16:00	Schweikert	1311	

RD = Not detected at the report limit.

TCLP prepartion follows method 1311, SN-846 Revision 3.

Surrogate	% Recovers	Target Range
UBA Surrogate, 1,2-Dichloroethame, 64	114.	δθ 138.
SA Surrogate, Toluene dS	32.	80 123.
VDR Surrogate, 4-Bronofluorobenzene	78.	73 122.
surr-Hitrobenzene-d5	92.	15 105.
surr-2-Fluorodiphengl	91.	17 119.
surr-Terphenyl d14	110.	10 116.
surr-Phenol d5	80.	10 100.
surr-2-fluorophenol	122. 🛊	9 100.
surr-2,4,6-Tribronophenol	103.	15 134.

Surrogate elevated due to sample matrix.

Report Approved By:

Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 131

Attachment 9 Page 2 of 16



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL

1640 MARLD AVE. DAVENPORT, IA 52803

Project: 1,2,3,4

Project Name: GUARDIAN GLASS

Sampler: J. DUFFY

Lab Number: 99-A34091

Sample ID: #1

Sample Type: Solid waste

Site ID:

Date Collected: 3/ 9/99

Time Collected: 14:40

Date Received:

3/11/99

Time Received:

9:00

Analyte	Result	Units	Report Linit	Quan Linit	Dil Factor	Date	Tine	Analyst	Nethod	Batch
KOUNEDAL CHENTOTOV BARANCI	Enry									
KGENERAL CHEMISTRY PARAMET										
pH H	8.50	units			1	3/11/99	16:06	Schueikert	9045	9630
Cyanide	DK	ng/kg	2.00	2.00	1	3/15/99	3: 15	J. Tenple	901ZA	1173
Paint Filter Test	KO FREE LIA	UIDS				3/12/99	13:45	McFarland	9895	449
Sulfide	MD	ng/kg	5, 00	5.00	1	3/16/99	9:15	J. Temple	9030A/9034	1763
Flash Point, Closed Cup	HO FLASH UP	TO 200F				3/13/99	13:10	S. Breuer	1010	9572

HD = Hot detected at the report limit.

Flash point/ignitability reported to the mearest 18 deg F.

Report Approved By:

Report Date:

3/17/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director

Russell Morgan, Technical Services

Laboratory Cartification Number: 131

Attachment 9 Page 3 of 16



2960 Poster Cheighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phono 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471 STEVE GROTHUS 1640 MARLO AVE.

DAVENPORT, IA 52803

Project: GUARDIAN CLASS

Project Name:

Sampler: JEFF DUFFY

Lab Number: 99-A112257

Sample ID: #1

Sample Type: Soil

Site ID:

Date Collected: 7/27/99 Time Collected: 12:35 Date Received: 7/28/99 Time Received: 9:00

Analyte	Result	Units	Report Linit	Linit Guan	Pil Factor	Bate	Tine	Realgst	fiethod	Batck
MGENERAL CHEMISTRY PARAMETER Phenolics	RS# HD	ng/kg	0.500	0.500	1	7/30/99	7:45	J. Tenple	906571	4308

ND = Not detected at the report limit.

Report Approved By:

Report Date: 8/ 3/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.B., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director

Gail A Lage, Technical Services

Month

Laboratory Certification Number: 131



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471 STEVE GROTHUS

1640 MARLO AVE.

DAVENPORT, IA 52803

Project: 1,2,3,4

Project Name: GUARDIAN GLASS

Sampler: J. DUFFY

Lab Number: 99-A42245

Sample ID: #2

Sample Type: Solid waste

Site ID:

Date Collected: 3/ 9/99

Time Collected: 14:20

Date Received: 3/11/99

Time Received: 9:00

TCLF Results

			i	Matrix Spike				-
Analyte	Result	Units	Reg Linit	Recovery (X)	Date	Tine	Analyst	Methód
Arsenic	3.90	ng/l	5.0	108	3/31/99	8:15	R. Kelley	60109
Barium	9.10	ng/l	100	98	3/31/99	8:15	R. Kelley	60108
Cadnion	< 0.180	ng/l	1.0	99	3/31/99	8:15	R. Kelley	60108
Chronium	₹ 0.50	ng/1	5.0	101	3/31/99	8:15	R. Kelley	60108
Lead	₹ 0.50	ng/1	5.0	100	3/31/99	8:15	R. Kelley	60108
Hercury	< C. 918	mg/1	0. 20	104	4/ 2/99	6: 58	6. Rodinson	7470A
Selenium	(0.100	ng/I	1.0	110	3/31/99	8:15	R. Kelley	60108
Silver	₹ 0.18	ng/l	5.0	182	3/31/99	8:15	R. Kelley	6010B
Beazene	< 0.10	mq/1	0.5	128	3/26/99	18:40	R. Hard	8260
Carbon tetrachloride	< 0.10	ng/l	0.5	103	3/26/37	18:40	R. Nard	8260
Chlorobenzene	(0.10	ng/l	100	96	3/26/99	19:40	R. Nard	8268
Chloroforn	< 0.100	ng/1	6.0	101	3/26/99	18:40	R. Hard	8260
1,2-Dichloroethane	< 0.10	H6/1	8.5	96	3/26/99	18:40	R.Hard	8260
1.1-Dichloroethene	€ 0.10	ng/I	6.7	107	3/26/99	18:40	R. Hard	8260
Nethylethylketone	₹ 1.8	Hg/1	200	113	3/26/99	18:40	R. Nard	8260
Tetrachloroethene	(0.10	ng/l	6.7	92	3/26/99	18:40	R. Hard	8260
Trichloroethene	(0.10	ng/l	0.5	103	3/26/99	18:40	R. Hard	8260
Vingl Chloride	₹ 0.10	ng/1	0.2	103	3/26/99	18:40	R. Hard	8260
Cresols	₹ 0.10	ng/1	200	114	3/31/99	17:50	M. Goodrich	8270
1,4-Dichlorobenzene	(0.10	nq/1	7. \$	§2	3/31/99	17:50	M. Goodrich	8270
2,4-Dimitrotoluene	₹ 0.10	ng/l	0. 13	80	3/31/99	17:50	N. Goodrich	8270
Hexachlorobenzene	₹ 0.10	ng/l	0.13	27	3/31/99	17:50	H. Coodrick	8270
Hexchlor-1,3-butadien	< 0.10	ng/1	0.5	64	3/31/99	17:50	M. Goodrich	8270
Hexachloroethane	₹ 0.10	ng/1	3.0	48	3/31/99	17:50	M. Soodrich	8270
Hitrobenzene	⟨ 0.10	Hg/1	2.0	72	3/31/99	17:50	M. Coodrick	8270
Pentachlorophenol	(0.10	ng/l	100	72	3/31/99	17:50	M. Goodrich	8270
Pyridine	< 0.10	ng/l	5.0	39	3/31/99	17:50	M. Goodrich	8270
2,4,5-Trichlorophenol	< 0.10	ng/1	400	80	3/31/99	17:50	M. Goodrich	8270
2,4,6-Trichlorophenol	(0.10	nq/l	2.9	89	3/31/99	17:50	M. Coodrich	8270
TCLP Extraction	Completed	-			3/25/99	16:00	Schweikert	1311
Zero Headspace Extraction	•				3/25/99	16:00	Schweikert	1311
•	•							

D = Not detected at the report limit.

TCLP prepartion Follows method 1311, SN-846 Revision 3.

Attachment 9 Page 5 of 16



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471

1640 MARLO AVE.

DAVENPORT, IA 52803

Project: 1,2,3,4

Project Name: GUARDIAN GLASS

Sampler: J. DUFFY

Lab Number: 99-A34092

Sample ID: #2

Sample Type: Solid waste

Site ID:

Date Collected: 3/ 9/99

Time Collected: 14:20

Date Received: 3/11/99

Time Received: 9:00

Analgte	Result	Umits	Report Linit	Ruan Linit	Dil Factor	Date	Tine	Amalyst	Nethod	Natch
GENERAL CHEMISTRY PARAMET	ER5									
βĦ	7.50	units			1	3/11/99	16:06	Schweikert	90 4 5	9630
Cyanide	MD.	ng/kg	2.00	2.60	1	3/15/99	8: 15	J. Temple	9012A	1193
Paint Filter Test	HO FREE LIG	UIDS				3/12/99	13: 45	McFarland	9095	449
Sulfide	HD	ng/kg	5.00	5_99	1	3/16/99	9:15	J. Temple	90309/9034	1763
Flash Point, Closed Cup	KO FLASH UP	10 200F				3/13/99	13:10	S. Breuer	1010	9572

HD = Not detected at the report limit.

Flash point/ignitability reported to the nearest 10 deg F.

Report Approved By:

Report Date:

3/17/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 131

Attachment 9 Page 6 of 16



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A422

Sample/ID: #2

Page 2

Surrogate	% Recovery	Target Range
USA Surrogate, 1,2-Dickloroethame, 64	121.	60 138.
WMA Surrogate, Toluene 48	97.	80 123.
VIIA Surrogate, 4-Bronofluorobenzene	77.	73 122 .
surr-Witrobenzene-45	62.	15 105.
surr-2-Fluorobiphenyl	70.	17 118.
surr-Terphenyl d14	84.	10 116.
surr-Phenol d5	24.	10 100.
surr-2-fluorophenol	36.	9 100.
surr-2,4,6-Tribromophenol	66.	15 - 134

Report Approved By:

5 5

TAD wille

Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan, Technical Services

Laboratory Certification Number: 131

Attachment 4 Page 7 of 16



2960 Foster Creighton Dr. P.O. Box 40566 Nakhville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471 STEVE GROTHUS 1640 MARLO AVE.

DAVENPORT, IA 52803

Project: GUARDIAN CLASS

Project Name:

Sampler: JEFF DUFFY

Lab Number: 99-A112258

Sample ID: #2

Sample Type: Soil

Site ID:

Date Collected: 7/27/99

Time Collected: 12:45

Date Received:

7/28/99

Time Received:

9:00

Realyte	Result	Units	Report Linit	Quan Linit	Dil Factor	Date	Tine	Analyst	fietho4	Batch
MGENERAL CHEMISTRY PARAMETE Phenolics	ESEX HED	ng/kg	6, 500	0.500	1	7/30/99	7:45	J. Temple	906511	4308

HD = Hot detected at the report limit.

Report Approved By:

T JOwell

Report Date: 8/ 3/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director

Gail A Lage, Technical Services

Laboratory Certification Number: 131



2960 Foster Creighton Dr. , P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471 STEVE GROTHUS 1640 MARLO AVE.

DAVENPORT, IA 52803

Project: 1,2,3,4

Project Name: GUARDIAN GLASS

Sampler: J. DUFFY

Lab Number: 99-A42246

Sample ID: #3

Sample Type: Solid waste

Site ID:

Dil

Date Collected: 3/ 9/99 Time Collected: 15:00 Date Received: 3/11/99

Batch

8273 8273

Time Received: 9:00

Analyta	Result	Units	Linit	Linit	Factor	Date	Tine	Analyst	Method
MIETALS*									
Соррет	168000	ng/kg	98.0	1.60	100	3/30/99	12: 27	R. Kelley	60100
Iros	261000	ng/kg	980.	10.6	100	3/30/93	12: 27	R. Kelley	6010R
TCLP Results									
			i	tatrix S _l	pike				
inalyte	Result	Units	Reg Limit	Recover	rg (X)	ûate	Tine	Analyst	Method
<u> Arsenic</u>	< 0, <u>1</u> 0	ng/l	5. 0	198		3/31/99	8:15	R. Kelley	6916B
Rarium	⟨ 1.00	ng/1	100	98		3/31/99		R. Kelley	60108
Cadhiun	⟨ 6,100	nq/l	1.0	97		3/31/99		R. Kelleg	50100
Chronium	€ 9,50	ng/1	5.0	101		3/31/99		R. Kelley	6010B
Lead	₹ 8.58	ng/I	5.0	190		3/31/99		R. Kelley	6010B
dercury	₹ 0.010	ne/1	0.29	104		4/ 2/99		G. Robinson	7470A
Selemium /	₹ 8,100	ng/l	1.0	110		3/31/99		R. Kelley	60100
Silver	₹ 0.10	ng/l	5.0	192		3/31/99		R. Kelleg	5010R
(leazene	(0.10	ng/1	0.5	107		3/26/99	18: 40	R. Hard	8260
Carbon tetrachloride	< 0.10	ng/1	9.5	101		3/26/99	18:40	R. Hard	8260
Chlorobenzene	< 0.10	ng/1	100	107		3/26/99	18:40	R. Hard	8260
Chloroforn	< 0.188	ng/1	5. 0	106		3/26/99	18: 40	R. Nard	8260
1,2-Dichluroethane	(8.10	ne/1	0.5	103		3/26/99	18: 40	R. Nard	8260
1,1-Dichlorsethene	(8.18	ng/1	9.7	107		3/26/99	18:40	R. Hard	8260
Methylethylketone	₹ 1.0	ng/1	200	106		3/26/99	18: 40	R. Hard	8260
Tetrachloroethene	€ 0.10	ng/1	0.7	181		3/26/99	18: 40	R. Nard	8260
Trichloroethene	(0.10	ng/1	0.5	109		3/26/99	18: 40	R. Hard	8260
Vinyl Chloride	< 0.10	ng/l	8.2	107		3/26/99	18:40	R. Nard	8260
Cresols	(0.10	ng/1	200	106		3/31/99	17:59	M. Goodrich	8270
1,4-Dichlorobenzene	(0.10	ng/1	7.5	52		3/31/99	17:50	N. Goodrich	8270
2,4-Dimitrotolueme	< €.18	ng/1	0.13	63		3/31/99	17:50	N. Goodrich	8270
Hexachlorobenzene	⟨ 9.10	Hg/1	0.13	23		3/31/93	17:50	n. Goodrick	8270
'exchier-1,3-butadies	(0.10	Hg/1	0.5	56		3/31/99	17:50	n. Goodrich	8270
Hexachloroethane	₹ 0.10	ng/1	3.0	54		3/31/99	17:50	n. Soodrick	8270
Hitrobenzene	< 6.10	ng/1	2.0	64		3/31/99	17:50	N. Goodrick	8270
Pentachlorophenol	₹ 0.10	ng/1	100	52		3/31/99	17:50	N. Goodrich	8270
Purldine	< 0.10	Hq/1	5. 0	16		3/31/97	17. 50	n. Soodrich	0220

Report Ruan

COPY Attachment 9 Page 9 of 16



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A42246

Sample ID: #3

Page 2

TCLP Results

Matrix Spike									
Analyte	Result	Units	Reg Limit	Recovery (%)	Date	Tine	Analyst	Nethod	
2,4,5-Trichlorophenol	(0.10	ng/l	406	68	3/31/99	17:50	M. Goodrich	8270	
2,4,6-Trichlorophenol	(0.10	Hg/1	2.0	68	3/31/9 7	17:50	n. Goodrich	8270	
TCLP Extraction	Completed				3/25/99	16:00	Schweikert	1311	
Zero Headspace Extraction	Completed				3/25/99	16:00	Schweikert	1311	

HD = Hot detected at the report limit.

TCLP prepartion follows method 1311, SM-846 Revision 3.

Surrogate	% Recovery	Target Range
VDA Surrogate, 1,2-Dichleroethame, d4	132.	60 138.
ANA Surrogate, Toluese d8	101.	80 123.
VDA Surrogate, 4-Bronofluorobenzene	82.	73 122.
surr-Kitrobenzene-65	64.	15 105.
surr-2-fluorobiphenyl	66.	17 116.
surr-Terphenyl d14	70.	10 116.
surr-Phenol 45	26.	10 100.
surr-2-fluorophenol	36.	9 100.
surr-2,4,6-Tribronophenol	&6 .	15 134.

Report Approved By:

Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director

Russell Morgan, Technical Services

TfO with

Laboratory Certification Number: 131

Attachment 9 Page 10 of 16



2960 Foster Creighton Dr. P.O. Box 40566 Nushville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471 STEVE GROTHUS 1640 MARLO AVE. DAVENPORT, IA 52803

Project: GUARDIAN CLASS

Project Name:

Sampler: JEFF DUFFY

Lab Number: 99-A112259

Sample ID: #3 Sample Type: Soil

Site ID:

Date Collected: 7/27/99 Time Collected: 12:54

Date Received: 7/28/99

Time Received: 9:00

Analyte	Result	Units	Report Linit	Ruan Linit	Dil Factor	Date	Tine	Analyst	Nethod	Batob
AGENERAL CHEMISTRY PARAMETE Phemolics	ду ж 2 2%	ng/kg	0.500	0.500	1	7/ 3 0/99	7: 4 S	J. Temple	9065H	4308

HD = Not detected at the report limit.

Report Approved By:

Report Date: 8/ 3/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Gail A Lage, Technical Services

Laboratory Certification Number: 131

T Jault



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471

1640 MARLO AVE.

DAVENPORT, IA 52803

Project: 1,2,3,4

Project Name: GUARDIAN GLASS

Sampler: J. DUFFY

Lab Number: 99-A34093

Sample ID: #3

Sample Type: Solid waste

Site ID:

Date Collected: 3/ 9/99

Time Collected: 15:00

Date Received: 3/11/79

Time Received: 9:00

22			Report	иеву	Dil	D -b-	71	A31		
Analyte	Result	Units	Linit	Linit	Factor	Date	Tine	Analyst	Method	Batch
*GEHERAL CHEMISTRY PARAMET										
ρĦ	5.20	units			1	3/11/99	16:08	Schweikert	9045	9630
Cyanide	GK	ng/kg	2.00	2.00	1	3/15/99	8: 15	J. Temple	9012A	1193
Paint Filter Test	NO FREE LIR	UIDS				3/12/99	13:45	McFarland	9895	449
Sulfide	HD CH	ng/kg	5.00	5.00	1	3/16/99	9:15	J. Temple	9030A/9034	1763
Flash Point, Closed Cup	HO FLASH OP	TO 200F				3/13/99	13:10	S. Breuer	1010	9572

HD = Not detected at the report limit.

Flash point/ignitability reported to the nearest 10 deg F.

Report Approved By:

Report Date: 3/17/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director

Russell Morgan, Technical Services

Laboratory Certification Number: 131

Attachment 9 Page 12 of 16



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471 STEVE GROTHUS 1640 MARLO AVE. DAVENPORT, IA 52803

Project: 1,2,3,4

Project Name: GUARDIAN GLASS

Sampler: J. DUFFY

Lab Number: 99-A42247

Sample ID: #4

Sample Type: Solid waste

Site ID:

Date Collected: 3/ 9/99 Time Collected: 15:15 Date Received: 3/11/99

Time Received: 9:00

TCLP Results

			ì	iatrix Spike				
Analyte	Result	Units	Reg Limit	Recovery (%)	Date	Tine	Analyst	Rethod
Arseeic	⟨ 0.10	u.a.71	5. 9	168	3/31/99	Q- 1E	P Valles	£0100
Rarion	(1.00	нg/1 нg/1	3. 3 100	98	3/31/99	8: 15	R. Kelley R. Kelley	6010B 6010B
Cadhlum	⟨ 0.100	ng/1	1.0	99	3/31/99	8:15	R. Kelley	6010R
Chronium	⟨ 0.50	ng/1	5.0	101	3/31/79	8:15	R. Kelley	60108
Lead	₹ 0.50	ng/l	5.0	100	3/31/99	8:15	R. Kelles	6010B
geronia	⟨ 0.010	ng/l	0.20	104	4/ 2/99	6:58	G. Robinson	74704
Selegion	⟨ 0.100	ng/l	1.0	118	3/31/99	8:15	R. Kelles	60108
Silver	₹ 0.10	ng/l	5.0	102	3/31/99	8:15	R. Kelle∎	60103
Denzene	⟨ 0.10	ng/l	0.5	128	3/26/99	18:40	R. Hard	8260
Carbon tetrachloride	₹ 0.10	ng/l	0.5	103	3/26/99	18:40	R. Nard	3260
Chlorobenzene	< 9.10	ttq/I	100	96	3/26/99	18:40	R. Hard	8260
Chloroform	< 0.100	ng/l	6.0	101	3/26/99	18:40	R. Hard	8263
1,2-Dichloroethame	(0.10	ng/1	6.5	96	3/26/99	13:40	R. Hard	8260
1,1-Dichloroethene	< 0.10	ng/l	0.7	107	3/26/99	18:40	R. Hard	8260
Methylethylketone	< 1.0	ng/1	206	113	3/26/99	18:40	R. Hard	8260
Tetrachloroethene	< 0.10	ng/1	0.7	92	3/26/99	18:40	R. Ward	8260
Trichloroethene	₹ 8.10	ng/1	8.5	103	3/26/99	18:40	R. Hard	8260
Vingl Chloride	< 0.10	ng/l	0.2	103	3/26/99	18:40	R. Nard	8260
Crescis	(0.10	ng/1	203	110	3/31/97	17:50	M. Goodrich	8270
1,4-Gichlorobenzene	< 0.10	ng/1	7.5	54	3/31/99	17:50	M. Goodrick	8270
2,4-Dimitrotolueme	< 0.10	ng/1	0.13	48	3/31/99	17:50	M. Goodrich	8270
Hexachlorobenzene	< 0.10	Hg/I	0.13	24	3/31/99	17:50	n. Soodrick	8270
Hexchlor-1,3-butadiem	(0.10	ng/1	8, 5	56	3/31/99	17:50	M. Goodrick	8270
Hexachloroethaae	< 0.10	ng/1	3.0	56	3/31/99	17:50	M. Goodrick	8270
Xitrobenzene	₹ 0.10	Hq/1	2.9	66	3/31/99	17:50	n. Goodrick	
Pentachlorophenol	< 0.10	ng/1	100	62	3/31/97	17:50	M. Goodrick	
Pyridine	< 0.10	ng/l	5.0	10	3/31/99	17:50	M. Goodrich	8270
2,4,5-Trichloropheuol	< 0.10	ng/I	400	6 8	3/31/99	17:50	M. Goodrick	3270
2,4,5-Trichlerophenol	(0.18	ng/1	2. 0	69	3/3 1/99	17:50	M. Goodrich	8270
TELP Extraction	Completed				3/25/99	16:00	Schweikert	1311
Zero Headspace Extractio	on Completed				3/25/99	16:00	Schueikert	1311

D = Mot detected at the report limit.

TOLP prapartion follows method 1311, SW-846 Revision 3.



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A42247

Sample ID: #4

Page 2

Surrogate	% Recovery	Target Range
UDA Surrogate, 1,2-Dichloroethame, d4	128.	60 138.
UDA Surrogate, Toluese d8	100.	80 123.
VIIA Surrogate, 4-BronoFluorobenzene	88.	73 122.
surr-Kitrobenzene-d5	50.	15 105.
surr-2-Fluorobiphenyl	54.	17 110.
surr-Terphenal d14	76.	10 116.
surr-Phenol d5	12 .	10 100.
surr-2-fluorophenol	24.	9 100.
surr-2,4,5-Tribromophenol	51.	15 134.

Report Approved By:

Report Date: 4/ 2/99

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Russell Morgan. Technical Services

T 10 melle

Laboratory Certification Number: 131



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL

1540 MARLO AVE.

DAVENPORT, IA 52803

Project: 1,2,3,4

Project Name: GUARDIAN GLASS

Sampler: J. DUFFY

Lab Number: 99-A34094

Sample ID: #4

Sample Type: Solid waste

Site ID:

Date Collected: 3/ 9/99

Time Collected: 15:15

Date Received: 3/11/99

Time Received: 9:00

Analyte	Result	Units	Report Linit	Ruan Linit	Dil Factor	Date	Tine	Analyst	Nethod	Batch
	UE20TC								TICCHO4	
*GENERAL CHEMISTRY PARAME	ierer Ierek									
bil	5. 20	units			1	3/11/99	16:03	Schueikert	9045	9630
Cyanide	RD	ng/kg	2.00	2.00	i	3/15/99	8: 15	J. Temple	9012A	1193
Paint Filter Test	NO FREE LI					3/12/99	13:45	McFarland	9095	449
Sulfide	10.0	ng/kg	5.00	5, 00	i	3/16/99	9:15	J. Temple	90309/9034	1763
Flash Point, Closed Cup	NO FLASH U					3/13/99	13:10	S. Brever	1010	9572
	entered							Calculated		

ND = Not detected at the report limit.

Flash point/ignitability reported to the nearest 10 deg F.

Report Approved Bu:

Report Date:

Theodore J. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director

Russell Morgan, Technical Services

Laboratory Certification Number: 131



2960 Foster Creighton Dr. P.O. Box 40566 Nashville, TN 37204-0566 Phone 1-615-726-0177

ANALYTICAL REPORT

NST ENVIRONMENTAL 7471 STEVE GROTHUS 1640 MARLO AVE.

DAVENPORT, IA 52803

Project: GUARDIAN CLASS

Project Name:

Sampler: JEFF DUFFY

Lab Number: 99-A112260

Sample ID: #4 Sample Type: Soil

Site ID:

Date Collected: 7/27/99

Time Collected: 13:10

Date Received: 7/28/99

Time Received: 9:00

Analyte	Result	Units	Report Linit	Quaa Linit	PII Factor	Pate	Tine	Analyst	fiethod	Batch
RECHERAL CHEMISTRY PARAMETER Phenolics	rsk Hd	ng/kg	0,500	0.590	1	7/30/99	7:45	J. Tenple	906581	4308

HD = Not detected at the report limit.

Report Approved By:

Report Date: 8/ 3/99

Theodore J. Ouello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director

Gail A Lage, Technical Services

Laboratory Certification Number: 131

Attachment 9 Page 16 of 16

ATTACHMENT 10

HAZARDOUS WASTE MANIFESTS AND LAND DISPOSAL RESTRICTION NOTICES (10 Pages)

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

-

5-047-01

State Form LPC 62 8/81

IL532-0610

PLEASE TYPE EPA Form 8700-22 (Rev. 6-89) (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 Manifest Document No. 1. Generator's US EPA ID No. 8 Information in the shaded areas is not required by Federal law, but is required by Illinois law. **UNIFORM HAZARDOUS** 2. Page,1 WASTE MANIFEST 3. Generator's Name and Mailing Address Location If Different A. Illinois Manifest Document Number OFEE PAID OF APPLICABLE GUARDIAN INDUSTRIES CO 300 SOUTH 5TH AVE EAST Generator's IL 90019999 DE WITT 1A 52742 **ID Number** 4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* 319 859-4008 C. Transporter's UPW151288IL 5 Transporter 1 Company Name SAFETY - KLEEN SYSTEMS. INC SCRUUND / 5 150 ID Number D. Transporter's Phone (800) 669-5840 7. Transporter 2 Company Name 8. US EPA ID Number E. Transporter's ID Number F. Transporter's Phone (9. Designated Facility Name and Site Address US EPA ID Number 10. G. Facility's IL 0310690006 ID Number | | | | | | | | SAFETY-KLEEN SYSTEMS, INC. 633 E 138TH ST DOLTON. il 50419 ILD980813913 8100 H. Facility's Phone (11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers 13. 14. I. Waste No. Total Unit No. Type Wt/Vo Quantity HAZARDOUS WASTE, SOLID, N.O.S. (CONTAINS LEAD. XYLENE) 9 NA3077 PG 111 (ERG#171) EPA HW. Number DM (; rugs from mirror live E EPA HW Number b. R EPA HW Number 0 C. R EPA HW Number d. K. Handling Codes for Wastes Listed Above In Item #14 J. Additional Description for Materials Listed Above 15. Special Handling Instructions and Additional Information 15. Special Handling Instructions and Additional Information

MFST R/T#102012280 0002-2154-92

EMERGENCY RESP 800-468-1780(24 HR). IF UNDELIVERABLE RETURN TO GENERATOR.

SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY. SKDOT# A: 8622 B: 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Month Day Year Printed/Typed Name Signatury 353 17. Transporter 1 Acknowledgement of Receipt of Materials Date TRANSPORTER Printed/Typed Name Day Year Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Date Month Day Year Printed/Typed Name Signature 19. Discrepancy Indication Space Attachment 10 Page 1 of 10 FACI 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Drinted/Typed Name Dav 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide the Center.

Failure to provide the Center. This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 this information may result in a civil penalty against the owner or operator not to exceed per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Managem

FOR SHIPMENT OF HAZARDOUS

WASTE MANIFEST	1. Generator's US EP	A ID No. 06668	Docu	anifest ment No.	2. Pag of	1 required l	y Federa	e shaded areas is not al law, but is required by
Generator's Name and Mailing Address UARDIAN INDUSTRIES C 300 SOUTH 5TH AVE EAS DE WITT *24 HOUR EMERGENCY AND SPILL ASS	1A 52742		0U8		B. Gen	is Manifest Doo 09938 erator's IL lumber 9	77 190	Number OFEE PAID OF APPLICABLE
Transporter 1 Company Name SAFETY-KLEEN SYSTEMS,	6.	US EPA ID	Number		ID N	umber		1512881L 9 669-5840
Transporter 2 Company Name	8.	US EPA IC	Number	100	E. Tran	sporter's lumber		e idhe gil
Designated Facility Name and Site Address AFETY-KLEEN SYSTEMS, 33 E 138TH ST DOLTON, IL 60	INC.	T L D 9 9 0 0 T	matics of	an and Africa Ira	G. Faci	isporter's Phone lity's IL 031 lumber	069) 225-8100
1. US DOT Description (Including Proper Sh	nipping Name, Hazard Clas	s, and ID Numbe	er)	12. Conta	iners Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
HAZARDOUS WASTE, S LEAD, XYLENE, 9 NA307	77 PG LLI (ER	G#171)	NS	3	DM		G	EPA HW Number
	rount at the n	irrorling	11. 1982111	9732	/		1.00	EPA HW Number
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AND A THE MARKET IN ROCK	(1.36) 2 (A) 5 (MI)	W Comments	and Grad	True de la la	ÇİL (Tİ)	organie d	-0	EPA HW Number
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Additional Description for Materials Listed	Above				K. Han	dling Codes for em #14	Wastes	Listed Above
				2 4 4 5 A 6 T	5000			
Tota to) bots of Resp. 800-46	sigos ficato adum al la como		MFST DELIV SEQUE	ERABL		TURN TO	GE)	-2154-92 NERATOR. SSARY.
EMERGENCY RESP 800-46 SK CORP, AUTHOR 12ED TO	08-1760(24 HR) RETAIN LICE SKDOT declare that the contents of	MSED SUB # A: 8	DELIV SEQUE 622 B	ERABL NT CA	RRIE	TURN TO RS AS N C:	GE ECE	NERATOR.
MERGENCY RESP 800-46 SK CORP, AUTHORIZED TO be restricted to the design of the control of the co	declare that the contents of cked, marked, and labeled, a tional government regulations that I have a program in plac selected the practicable methors of the practicable methors on the content of the practicable methors on the content of the practicable methors on the content of the content	this consignment and are in all responses.	IDEL.1V SEQUE 622 B are fully and ects in prop	NT CA	C RE	TURN TO RS AS N C: d above by port by highway	GE ECE	NERATOR. SSARY. D:
EMERGENCY RESP 800-46 SK CORP AUTHORIZED TO 6. GENERATOR'S CERTIFICATION: I hereby proper shipping name and are classified, paraccording to applicable international and nat If I am a large quantity generator, I certify the economically practicable and that I have and future threat to human health and the	declare that the contents of cked, marked, and labeled, a tional government regulations that I have a program in plac selected the practicable methors of the practicable methors on the content of the practicable methors on the content of the practicable methors on the content of the content	this consignment and are in all responses.	IDEL.1V SEQUE 622 B are fully and ects in prop	NT CA	C RE	TURN TO RS AS N C: d above by port by highway	GE ECE	ave determined to imizes the present ste generation and
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EMERGENCY RESP 800-46 SK CORP AUTHORIZED TO 6. GENERATOR'S CERTIFICATION: I hereby proper shipping name and are classified, paraccording to applicable international and nat if I am a large quantity generator, I certify the economically practicable and that I have and future threat to human health and the eselect the best waste management method in Printed/Typed Name	declare that the contents of cked, marked, and labeled, a tional government regulations hat I have a program in plac selected the practicable met invironment; OR, if I am a sh that is available to me and the	this consignment and are in all respis. the to reduce the vision of treatment, nall quantity generated to can afford.	IDEL.1V SEQUE 622 B are fully and ects in prop	NT CA	C RE	TURN TO RS AS N C: d above by port by highway	GE ECE	ave determined to imizes the present ste generation and Date Month Day Yea
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This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

GENERATOR NAME: GUARDIAN INDUSTRIES CORP

MANIFEST NO. MANIFEST PAGE/LINE#

PURSUANT TO 40 CFR 268.7(A), I HEREBY NOTIFY THAT THIS SHIPMENT CONTAINS WASTE RESTRICTED UNDER 40 CFR PART 268 LAND DISPOSAL RESTRICTIONS (LDR).

A. GENERAL WASTE NOTIFICATION EPA WASTE CODES & LDR SUBCATEGORIES (IF ANY)

D008

TREATABILITY GROUP: NONWASTEWATERS

WASTE CONSTITUENT NOTIFICATION: LEGEND

NUMBER

CONSTITUENT

154 231 ETHYL BENZENE

TOLUENE 245

XYLENES-MIXED ISOMERS (SUM OF 0-, M-, AND P-XYLENE CONCENTRATIONS)

GENERATOR'S AUTHORIZED SAGNATURE

NAME & TITLE

(PRINTED OR TYPED)

03/28/02 DATE

S-K PROFILE REFERENCE NUMBER:

2260702

CONTROL NUMBER:

2004541-6

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

P.O.	вох	192
	00/	

State Form LPC 62 8/81

IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

꼰	EASE TYPE (Form designed for use on elite (1	2-pitch) typewriter.)	EPA Form	8700-22 (Re		1	Form Approved. OM	B No. 2050)-0039
1	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's U		Docu	lanifest ument No.	2. F	Page 1 Informa required of Illinois I	d by Feder	e shaded areas is not al law, but is required by
	3. Generator's Name and Mailing Address		tion If Different	34	1088	A. III	inois Manifest D	ocument	Number
	Gwrdian Industries Con	P :		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	1 1	_ 989	730	6 FEE PAID IF APPLICABLE
	300 SOUTH 5th AVE EAST DEWITT, Town 5374 4. 24 HOUR EMERGENCY AND SPILL ASSIST	,					enerator's IL		
	4. *24 HOUR EMERGENCY AND SPILL ASSIS	ANCE NUMBER	s 319.659	·Unna				1119	101019999
	5. Transporter 1 Company Name	6.	US EPA I	D Number			ransporter's Number U	wa:	1512881L
	Safety-Kleen Systems,	Toc	SCROO	10751	50				0)669.5840
	7. Transporter 2 Company Name	8.		D Number	<u> </u>		ransporter's	\BUC	77661-0840
							Number		
П	9. Designated Facility Name and Site Address	00065410.	US EPA I	D Number		F. T	ransporter's Pho	ne ()
	Safety-Kleen Systems, I		•			G. F	acility's IL		
	633 E 138th ST					IC	Number 1013	31110	61910101016
		1.0	ILD9806		•	H. F	acility's Phone (768) á	925-8100
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	or rock hothorized to	Kerain Li	# A:24393	med oe	m C	arr	C. H	S IN	SG672CH A
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1	20. Facility Owner or Operator: Certification of re	eceipt of hazardor	is materials covered h	v this manif	fest excen	tas no	ted ip∕ item ∠19		Date
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	This Agency is authorized to require, pursuant to Illinois Re	evised Statute, 1989,	Chapter 111 1/2, Section	1004 and 10	21, that this	informa	tion be submitted to	the Ager	ncy. Failure to provide
ţ	his information may result in a civil penalty against the o er day of violation and imprisonment up to 5 years. This form has b	winer or operator not been approved by the Fo	to exceed \$25,000 per orms Management Center.	gay of violation	on. Falsificati	on of th	nis information may	result in	a rine up to \$50,000

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

P.O. BOX 19276 5-047-01 PLEASE TYPE (Form designed for use on elite (12 pitch) typewriter.)

State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

			v. 6-89)			MB No. 205	
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. IAR 00000666	8 Manifest Do	234	2. Page of			haded areas is no w, but is required by
3. Generator's Name and Mailing Address GUARDIAN INDUSTRIE	S CORP	if Different		A. Illinoi L	s Manifest Docur 9144	nent Numi	ber FEE PAID IF APPLICABLE
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7. Transporter 2 Company Name	8.	US EPA ID Numb			sporter's	40	Transporter's Photos 39540H
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SAFETY-KLEEN SYSTE 633 E 138TH ST	000654 MS, INC.			G, Facil ID N	ity's IL umber 9310	6900	06
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J. Additional Description for Materials List	ed Above			K. Hand	fling Codes for W	fastes Liste	ad Abasia
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SAFETY-KLEEN CORP. LDR NOTIFICATION FORM

PAGE 1 OF 1

36234

GENERATOR NAME: GUARDIAN INDUSTRIES CORP

MANIFEST NO. TL9144121 MANIFEST PAGE/LINE#

PURSUANT TO 40 CFR 268.7(A), I HEREBY NOTIFY THAT THIS SHIPMENT CONTAINS WASTE RESTRICETED UNDER 40 CFR PART 268 LAND DISPOSAL RESTRICTIONS (LDR).

A. GENERAL WASTE NOTIFICATION EPA WASTE CODES & LDR SUBCATEGORIES (IF ANY)

D008 D006

TREATABILITY GROUP: NONWASTEWATERS

WASTE CONSTITUENT NOTIFICATION:

LEGEND NUMBER

CONSTITUENT

260

SILVER

B. HAZARDOUS DEBRIS NOTIFICATION
THIS HAZARDOUS DEBRIS IS SUBJECT TO THE ALTERNATIVE TREATMENT STANDARDS OF
40 CFR SEC. 268.45.
THE WASTE CONTAINS THE FOLLOWING CONTAMINANTS SUBJECT TO TREATMENT:
* TOXICITY CHARACTERISTIC DEBRIS

GENERATOR'S AUTHORIZED SIGNATURE

NAME & TITLE (PRINTED OR TYPED)

DATE

S-K PROFILE REFERENCE NUMBER:

2260827

CONTROL NUMBER:

2042550-2

P.O. BOX 19276 5-047-01

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS

LEASE TYPE

3

EPA Form 8700-22 (Rev. 6-89)

AND SPECIAL WASTE

(Form designed for use on elite (12 pitch) typewriter.) Form Approved, OMB No. 2050-0039 2. Page 1 **UNIFORM HAZARDOUS** 1. Generator's US EPA ID No. I AR 000006668 Manifest Document No. Information in the shaded areas is not required by Federal law, but is required by 23275 **WASTE MANIFEST** A. Illinois Manifest Document Number 3. Generator's Name and Mailing Address Location if Different GUARDIAN INDUSTRIES CORP 9141 396 IF APPLICABLE 300 SOUTH 5TH AVE EAST B. Generator's II919 DE WITT IA 52742 **ID Number** 4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS \$19 659-4008 C. Transporter's UPW151288IL 5 Transporter 1 Company Name SAFETY-KLEEN SYSTEMS, INC **ID Number** D.3(19)386-3024 Transporter's Phone UPW2039540H E. Transporter's 7. Transporter 2 Company Name 8 US EPA ID Number ID Number SAFETY-KLEEN (TG), INC. 000074591 062259000 Transporter's Phone 9. Designated Facility Name and Site Address 000654 10. US EPA ID Number SAFETY-KLEEN SYSTEMS, INC. G. Facility's IL 0310690006 633 E 138TH ST **ID Number** DOLTON. 225-8100 IL 60419 ILD 980613913 708 H. Facility's Phone 13 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Total Unit Waste No. No. Type Quantity Wt/Vol BOO Number WASTE PAINT RELATED MATERIAL 3 UN1263 PG III (ERG#127) DM D005 DO 2 b. HAZARDOUS WASTE, SOLID, N.O.S. (CONT LEAD, XYLENE) 9 NA3077 PG III (ERG#171) FON Sumber DM C WASTE FLAMMABLE LIQUIDS, N.O.S. (XYLENE, ETHYLBENZENE) 3 UN1993 PG III (ERG#128) 203 FPOW Number DM D001 Xylene that can't bereised RQ WASTE PAINT RELATED MATERIAL BOW Number 3 UNI 263 PG III (DOO1)(ERG#127) D008 0.0.6 J. Additional Description for Materials Listed Above IA) D008 IC) D005 D008 EMERGENCY RESP 800-468-1760(24 HR). IF UNDELIVERABLE RETURN TO GENERATOR. SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY. SKDOT# A: 23636 B: 8622 C: 21321 D: 115 0002-2154-92 16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Date Printed/Typed Name Month Day Year 051000 17. Transporter 1 Acknowledgement of Receip of Materials Date Printed/Typed Name Month Day Year Signature ANSPORTER KEUIN 051000 18. Transporter 2 Acknowledgement of Receipt of Materials Month Day Printed/Typed Name Signature 19. Discrepancy Indication Space ACI 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered this manifest except as noted in item 19. Date rinted/Typed Name This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 12, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and

imprisonment up to 5 years. This form has been approved by the Forms Management Center. Attachment 10 Page 7 of 10

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SAFETY-KLEEN LDR NOTIFICATION FORM 11/24/01 09: 09: 44

PAGE:

:ENERATOR NAME: GUARDIAN INDUSTRIES CORP

MANIFEST NO.: OR SALES SERVICE NO. :

19561839

CUST#: 0002-2154-92

'URSUANT TO 40 CFR 268.7(A), I HEREBY NOTIFY THAT THIS SHIPMENT CONTAINS LASTE RESTRICTED UNDER 40 CFR PART 268 LAND DISPOSAL RESTRICTIONS (LDR).

GENERAL WASTE NOTIFICATION

.DR FORM LINE NO. :

MANIFEST PAGE/LINE# 01A SK PROFILE NO. 1

0000 SKDOT#: 0000717

PA WASTE CODES & LDR SUBCATEGORIES (IF ANY):

D039

REATABILITY GROUP:

NONWASTEWATERS

IASTE CONSITITUENT NOTIFICATION: 100 O-CRESOL 229 TETRACHLORGETHYLENE 237 TRICHLORGETHYLENE 250 CADMIUM 255 LEAD 257 MERCURY - ALL OTHERS

260 SILVER

Attachment 10 Page 9 of 10

-NOTES THIS LDR EXPIRES ON 12/31/2001. NOTICE:

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	3. Generator's Name and Mailing Address GUARDIAN INDUSTRIES CORP 300 SOUTH 5TH AVE EAST DE WITT 318, 458-4008							A. State Manifest Document Number B. State Generator's ID				
	+		59-4008	6. US	=======================================					· · · · · · · · · · · · · · · · · · ·		
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		. Transporter 2 Company Name					E. State Transporter's ID					
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ATTACHMENT 11
EPA MEMORANDUM

(Two Pages)

FAXBACK 12745

PPC 9444.1986(19) REINTERPRETATION OF THE F006 LISTING

SEP 25 1986

MEMORANDUM

SUBJECT: Repromulgation of F006 Hazardous Waste Category

FROM: J. Winston Porter Assistant Administrator for Solid Waste and **Emergency Response**

TO Valdas V. Adamkus Regional Administrator

Thank you for your August 18, 1986 memorandum regarding the repromulgation of the F006 hazardous waste category.

After a briefing with the staff from the Office of Solid Waste, Office of General Counsel, and the Office of Waste Programs Enforcement (OWPE), I decided to re-interpret the F006 listing to only include those processes that can be implicated, either directly or indirectly, in the language of the listing. During this briefing, I was presented with five options which are described in the attached material. I selected option three because it provides a sound legal argument and is cost effective--it saves resources. Realizing that option three may create problems with existing enforcement actions involving F006 wastes, I have requested OWPE to develop guidance which you should find helpful. In addition, we expect to re-visit the scope of the F--6 listing as part of our relisting effort.

The details of the decision are as follows: the F006 listing would include wastewater treatment sludges from the following processes: (1) common and precious metals electroplating, (2) anodizing (3) chemical etching and milling and (4) cleaning and shipping associated with common and precious metal electroplating. The following processes are not included under the F006 listing: (1) chemical conversion coating, (2) electroless plating, (3) printed circuit board manufacturing and (4) the six processes explicitly excluded from F006. Let me elaborate two fine points regarding the processes that are not listed. First, wastewater treatment sludges from the chemical conversion coating of aluminum are listed as EPA hazardous waste No. F019. Second, wastewater treatment sludges from printed circuit board manufacturing operations that include processes which are within the scope of the listing

(i.e. chemical etching) are listed as EPA hazardous waste No. F006.

-2-

We have drafted a Federal Register notice which presents our re-interpretation of the F006 listing. This notice has been forwarded to the Regions for comment. In addition, a meeting was held with the Regions in Atlanta on September 16, 1986 to discuss our approach.

I hope this memorandum and the attached briefing material explains how I made my decision and how I plan to proceed. If I can be of further assistance, please let me know.

Attachment

ATTACHMENT 12
PHOTOGRAPHS
(Four Pages)



TETRA TECH	TETRA TECH DESCRIPTION This photograph shows boxes used for storage of waste fluorescent light bulbs. Several of the boxes were not marked to identify their contents.				
Direction: North	FACILITY	Guardian Industries Corporation	PHOTOGRAPHER	Dean Williams	7/10/02



TETRA TECH	DESCRIPTION	This photograph shows a hazardous waste container at the less-than-180-day hazardous waste storage area that was not marked with an accumulation start date. The container was used for storage of rags contaminated with lead- and cadmium-based logo paint.			2
Direction: Southwest	FACILITY	Guardian Industries Corporation	PHOTOGRAPHER	Dean Williams	7/10/02



TETRA TECH	DESCRIPTION	This photograph shows a hazardous waste container at the less-than-180-day hazardous waste storage area that was not marked with the accumulation start date. The container was used for storage of waste mirror paint.			3
Direction:Southeast	FACILITY	Guardian Industries Corporation	PHOTOGRAPHER	Dean Williams	7/10/02



TETRA TECH	DESCRIPTION	This photograph shows the	This photograph shows the less-than-180-day hazardous waste storage area.			
Direction:Southwest	FACILITY	Guardian Industries Corporation	PHOTOGRAPHER	Dean Williams	7/10/02	